STIC Search Report
EIC 2600

TO: David Jones
Location: CPK2 3C16
Art Unit: 2622
Friday, December 10, 2004

Case Serial Number: 09/816445

From: Pamela Reynolds
Location: EIC 2600
PK2-3C03
Phone: 306-0255

Pamela.Reynolds@uspto.gov

Search Notes

Dear David Jones

Please find attached the search results for 09816445. I used the search strategy I emailed to you to edit, which you did. I searched the standard Dialog files.

If you would like a re-focus please let me know.

Thank you.

```
File    2:INSPEC 1969-2004/Nov W4
           (c) 2004 Institution of Electrical Engineers
File    6:NTIS 1964-2004/Nov W4
           (c) 2004 NTIS, Intl Cpyrght All Rights Res
File    8:Ei Compendex(R) 1970-2004/Nov W4
           (c) 2004 Elsevier Eng.  Info. Inc.
File   34:SciSearch(R) Cited Ref Sci 1990-2004/Dec W1
           (c) 2004 Inst for Sci Info
File   35:Dissertation Abs Online 1861-2004/Nov
           (c) 2004 ProQuest Info&Learning
File   65:Inside Conferences 1993-2004/Dec W1
           (c) 2004 BLDSC all rts. reserv.
File   94:JICST-EPlus 1985-2004/Oct W5
           (c)2004 Japan Science and Tech Corp(JST)
File   95:TEME-Technology & Management 1989-2004/Jun W1
           (c) 2004 FIZ TECHNIK
File   99:Wilson Appl. Sci & Tech Abs 1983-2004/Oct
           (c) 2004 The HW Wilson Co.
File  144:Pascal 1973-2004/Nov W4
           (c) 2004 INIST/CNRS
File  239:Mathsci 1940-2004/Jan
           (c) 2004 American Mathematical Society
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
           (c) 1998 Inst for Sci Info
File  583:Gale Group Globalbase(TM) 1986-2002/Dec 13
           (c) 2002 The Gale Group
File  603:Newspaper Abstracts 1984-1988
           (c)2001 ProQuest Info&Learning
File  483:Newspaper Abs Daily 1986-2004/Dec 09
           (c) 2004 ProQuest Info&Learning
File  248:PIRA 1975-2004/Nov W4
           (c) 2004 Pira International


Set     Items    Description
S1     7353650   DOCUMENT?? OR DATA
S2      342633   PRINT??
S3     1364573   TEXT OR WORD?? OR CHARACTER??
S4     4168880   IMAG? OR PICTURE?? OR PHOTO OR PHOTOGRAPH?? OR GRAPHIC? OR
                  JPEG OR BITMAP
S5       14507   (SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?)
                  AND S3 AND S4
S6       19005   LOW()RESOLUTION?
S7      416129   HIGH()RESOLUTION?
S8      203020   MASK?
S9       18390   CANON
S10         11   (OPEN OR CLOSED)(3N)GRAPHICAL(3N)(FUNCTION? OR INSTRUCTION?
                  OR OPERATION??)
S11       3558   AU=(MOREAU, J? OR AMARGER, S? OR MOREAU J? OR AMARGER S?)
S12          0   S10 AND (S2 OR SCAN????)
S13       2630   S1 AND S3 AND S4 AND RESOLUTION?
S14          8   S5 AND S6 AND S7
S15          0   S13 AND A14
S16          0   S14 AND S8
S17          2   S14 NOT PY=>2001
S18          2   RD S17 (unique items)
S19         51   S13 AND MASK?
S20         20   S19 AND (PRINT??? OR SCAN????)
S21         20   S20 NOT S17
S22         12   S21 NOT PY=>2001
S23         10   RD S22 (unique items)
```

```
S24        0    S11 AND S6 AND S7
S25      350    PAGE(3N)(SEGMENT? OR SEPERAT? OR DIVID? OR PARTITION? OR S-
                ECTION? OR CATEGOR?) AND S3 AND S4
S26        1    S25 AND S6 AND S7
S27        0    S26 NOT (S20 OR S17)
S28       82    S25 AND PRINT???
S29        0    S28 AND S11
S30        0    S28 AND GRAPHICAL(3N)(FUNCTION? OR INSTRUCTION? OR OPERATI-
                ON??)
S31        7    S28 AND S8
S32        7    S31 NOT (S20 OR S17)
S33        7    S32 NOT PY=>2001
S34        2    RD S33 (unique items)
S35       73    S3 AND S7 AND S8
S36       94    S4 AND S6 AND S8
S37        7    S35 AND PRINT???
S38        5    S37 NOT (S31 OR S20 OR S17)
S39        3    S36 AND PRINT???
S40        3    S39 NOT (S37 OR S31 OR S20 OR S17)
S41       11    S10 NOT (S39 OR S37 OR S31 OR S20 OR S17)
S42       10    S41 NOT PY=>2001
S43        8    RD S42 (unique items)
S44        4    S43 NOT (EYE OR OXYGEN OR DRILLING OR MINING OR PLANT OR S-
                PECULAR)
S45      589    S4 AND (USING OR APPLY?)(3N)S6
S46      418    S3 AND (USING OR APPLY?)(3N)S7
S47        2    (S45 OR S46) AND MASK???
S48        1    S47 NOT (S10 OR S39 OR S37 OR S31 OR S20 OR S17)
S49        0    S48 NOT GALAXY
```

18/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC

02125521   INSPEC Abstract Number: C83039007, D83000982
 Title: **The versatile matrix (dot matrix printers)**
  Author(s): Sonsino, S.
  Journal: Systems International   vol.11, no.9   p.44-9
  Publication Date: Sept. 1983 Country of Publication: UK
  CODEN: SYIND8 ISSN: 0309-1171
  Language: English
  Subfile: C D

  Abstract: Dot matrix printers are showing more versatility. High and low
speed printing, low and **high   resolution   graphics** , daisy and plotter
emulations all contribute to the success of matrix printers. The techniques
for **character** generation fall into two **categories** : using ROMs/PROMs, or
loadable RAMs. An interesting development is the addition of specialized
control...
   ...Identifiers: **low   resolution   graphics** ; ...

... **high   resolution   graphics** ; ...

... **character** generation

18/3,K/2   (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

  14281981   PASCAL No.: 99-0487005
  Structure analysis of low   resolution **fax cover pages**
  **DAS'98 : document analysis systems : theory and practice : Nagano, 4-6
November 1998, selected papers**
  LIM Y K; KANG H J; AHN C; LEE S W
  SEONG-WHAN LEE, ed; NAKANO Yasuaki, ed
  Center for Artificial Vision Research, Korea University, Anam-dong,
Seongbuk-ku, Seoul 136-701, Korea, Republic of
  IAPR workshop, 3 (Nagano JPN) 1998-11-04
  Journal: Lecture notes in computer science, 1999, 1655 99-113
  Language: English

  Structure analysis of low   resolution **fax cover pages**
  ... storage, retrieval and interpretation. A lot of work has been
accomplished for page segmentation in **high   resolution** document **images**
. But conventional methods for page segmentation are not suitable for faxed
document processing. The well-known · difficulties in faxed document
processing are concerned with **low   resolution   images** and
non-standardized formats. In this paper, we propose an effective structure
analysis method for **low   resolution** fax cover pages, based on region
segmentation and keyword recognition. The main advantages of the...

... capability of accommodating various types of fax cover pages and its
fast processing speed. We **divide** fax cover pages into three regions –
header, sender/recipient information and message – to easily identify...

English Descriptors: Document analysis; Document **image** processing; **Character** recognition; **Image** restoration; **Image** segmentation; Document structure

French Descriptors: Analyse documentaire; Traitement **image** document; Reconnaissance caractere; Restauration **image** ; Segmentation **image** ; Structure document

Spanish Descriptors: Analisis documental; Reconocimiento caracter; Restauracion **imagen** ; Estructura de documento

?

6741502   INSPEC Abstract Number: B2000-12-6135C-032, ·C2000-12-6130D-002
 Title: Intelligent colour document   image **coding for WWW application**
  Author(s): Suhuai Luo; Seneviratne, S.
  Author Affiliation: Telecommun. & Ind. Phys., CSIRO, Epping, NSW, Australia
  Conference Title: Fifth International/National Biennial Conference on Digital Image Computing, Techniques, and Applications. DICTA99   p.181-5
  Publisher: Curtin Univ, Perth, WA, Australia
  Publication Date: 1999 Country of Publication: Australia   292 pp.
  ISBN: 1 86342 838 0   Material Identity Number: XX-2000-00773
  Conference Title: Conference Proceedings. DICTA'99. Digital Image Computing: Techniques and Applications
  Conference Sponsor: Curtin Univ.; Australian Pattern Recognition Soc. (APRS); Int. Pattern Recognition Assoc. (IAPR); Murdoch Univ,
  Conference Date: 7-8 Dec. 1999   Conference Location: Perth, WA, Australia
  Language: English
  Subfile: B C
  Copyright 2000, IEE

  Title: Intelligent colour document   image **coding for WWW application**
  Abstract: This paper introduces an intelligent colour **document   image** coding algorithm. The algorithm is specifically designed for highly compressing a colour **document   image** , which contains mixed **text** and **pictures** and is **scanned** at high **resolution** , down to the size of an average HTML page (about 64K bytes). It puts emphasis on faithfully reproducing the visual aspects of original **document   images** , especially their **text** contents, at very high compression ratio. The algorithm first extracts **characters** from the colour **image** by using both geometrical and colour information. Then it represents the **image** with three components: **text   mask** , **text   image** and non- **text   image** . The **text   mask** is coded according to JBIG2 specifications. Both the **text   image** and the non- **text   image** are coded with a wavelet transform-based algorithm. Compared to other algorithms such as **JPEG** and a pure wavelet transform-based algorithm, the proposed algorithm yields much better performance.
  ...Descriptors: **data** compression...

... **document   image** processing...

... **image** coding...

... **image** colour analysis...
... **image** representation...

... **image   resolution** ; ...

... **text** analysis
  Identifiers: intelligent **image** coding...

...colour **image** coding...

... **document   image** coding...

... **image**   **resolution** ; ...

... **text**   contents...

... **character** extraction...

... **image**   representation...

... **text** mask ; ...

... **text**   image ; ...
...non- **text**   **image** ;

23/3,K/2   **(Item 2 from file: 2)**
DIALOG(R)File   2:INSPEC

6503888   INSPEC Abstract Number: B2000-03-6135C-132, C2000-03-1250M-113
 Title: **Color** documents **on the Web with DjVu**
   Author(s): Haffner, P.; LeCun, Y.; Bottou, L.; Howard, P.; Vincent, P.;
Riemers, B.
   Author Affiliation: AT&T Lab. Res., Red Bank, NJ, USA
   Conference Title: Proceedings 1999 International Conference on Image
Processing (Cat. 99CH36348)   Part vol.1   p.239-43 vol.1
   Publisher: IEEE, Piscataway, NJ, USA
   Publication   Date: 1999 Country   of   Publication: USA   4
vol.(lxxix+676+977+952+449) pp.
   ISBN: 0 7803 5467 2   Material Identity Number: XX-1998-03681
   U.S. Copyright Clearance Center Code: 0 7803 5467 2/99/$10.00
   Conference Title: Proceedings of 6th International Conference on Image
Processing (ICIP'99)
   Conference Sponsor: IEEE Signal Process. Soc.; IEICE
   Conference Date: 24-28 Oct. 1999   Conference Location: Kobe, Japan
   Language: English
   Subfile: B C
   Copyright 2000, IEE

 Title: **Color** documents **on the Web with DjVu**
   Abstract: We present a new **image** compression technique called "DjVu"
that is specifically geared towards the compression of **scanned**   **documents**
 in color at high **resolution** . With DjVu, a magazine page in color at 300
dpi typically occupies between 40 KB and 80 KB, approximately 5 to 10 times
better than **JPEG** for a similar level of readability. Using a combination
of hidden Markov model techniques and MDL-driven heuristics, DjVu first
classifies each pixel in the **image** as either foreground (**text** ,
drawings) or background (**pictures** , photos, paper texture). The pixel
categories form a bitonal **image** which is compressed using a pattern
matching technique that takes advantage of the similarities between
 character   shapes. A progressive, wavelet-based compression technique,
combined with a **masking** algorithm, is then used to compress the
foreground and background **images** at lower **resolutions** while minimizing
the number of bits spent on the pixels that are not visible in...
   Descriptors: **data** compression...

... **image** coding

Identifiers: color **documents** ; ...

... **image** compression...

... **scanned** **documents** ; ...

... **JPEG** ; ...

...bitonal **image** ; ...

... **masking** algorithm

23/3,K/3   **(Item 3 from file: 2)**
DIALOG(R)File   2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4046845   INSPEC Abstract Number: B9201-6140C-147, C9201-1250-135
 Title: Image **analysis using threshold reduction**
  Author(s): Bloomberg, D.S.
  Author Affiliation: Palo Alto Res. Center, Xerox Corp., CA, USA
  Journal: Proceedings of the SPIE - The International Society for Optical
Engineering   vol.1568   p.38-52
  Publication Date: 1991 Country of Publication: USA
  CODEN: PSISDG ISSN: 0277-786X
  U.S. Copyright Clearance Center Code: 0-8194-0696-1/91/$4.00
  Conference Title: Image Algebra and Morphological Image Processing II
  Conference Sponsor: SPIE
  Conference Date: 23-24 July 1991   Conference Location: San Diego, CA,
USA
  Language: English
  Subfile: B C

 Title: Image **analysis using threshold reduction**
  ...Abstract: is introduced, that is useful for performing efficient and
controllable shape and texture transformations between **resolution** levels.
In their most general form, the operations proceed in three steps: (a)
convolve a binary **image** with a kernel of arbitrary size; (b) threshold
the result; (c) subsample to produce the reduced **image** . Threshold
reductions that use convolution filters and subsample tiles of equal size
are optimized by...

... 4* threshold reduction, and lookup tables that efficiently implement
column raster operations are provided. A **mask** -forming **image** analysis
cycle of threshold reduction, augmented by morphology and followed by
replicative expansion to full **resolution** , is described, and some general
properties of the cycle are derived. A simple application to **document**
 image analysis, the extraction of halftone regions from **scanned** **images**
 that also contain **text** and line **graphics** , is illustrated.
  Descriptors: **document** **image** processing...

... **picture** processing
  ...Identifiers: **document** **image** analysis

23/3,K/4   **(Item 4 from file: 2)**
DIALOG(R)File   2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03393145   INSPEC Abstract Number: B89045062
 Title: **Compact disc-** graphics   **from the sound disc**
  Author(s): Schild, W.
  Journal: Funkschau   no.4   p.52-4
  Publication Date: 10 Feb. 1989 Country of Publication: West Germany
  CODEN: FUSHA2 ISSN: 0016-2841
  Language: German
  Subfile: B

 Title: **Compact disc-** graphics   **from the sound disc**
  Abstract: The American Warner New Media Corp. is to release 200 combined
music/ **graphic** CDs by autumn 1989. These will comprise opera with original
or translated **text** or sub-titles, spoken lectures with **graphics** , etc.
The **graphics** are provided by a sub-code which occupies only 5% of the
standard **data** block of 588 bit. This 14 bit **picture** is built-up from
288 lines, each of 192 pixels; matrix blocks, corresponding to **printer** 's
founts, are made up by 6 horizontal and 12 vertical pixels. 16 colours are
available. To **mask** poor **resolution** , a full **graphic** display is reduced
by a coloured frame. Working with Warner, JVC have designed a processor...
  Identifiers: music/ **graphic** CD...

 ... **resolution** ; ...

 ... **graphic** display

   23/3,K/5   (Item 5 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

01053575   INSPEC Abstract Number: B77022281, C77010128
 Title: **A newly introduced 61 cm colour** graphics **display**
  Author(s): Bennett, M.R.; Plews, D.E.
  Author Affiliation: Ferranti Ltd., Oldham, UK
  Conference Title: International Conference on Displays for Man-Machine
Systems   p.1-5
  Publisher: IEE, London, UK
  Publication Date: 1977 Country of Publication: UK   vii+141 pp.
  ISBN: 0 85296 173 1
  Conference Sponsor: IEE; Biological Engng. Soc.; et al
  Conference Date: 4-7 April 1977   Conference Location: Lancaster, UK
  Language: English
  Subfile: B C

 Title: **A newly introduced 61 cm colour** graphics **display**
  ...Abstract: are many applications for displays in information and
control systems where a large amount of **data** is required to be displayed
on a single cathode ray tube. This display was designed...

 ... such a need. The cursive technique of writing was chosen in preference
to a TV **scan**   because it offered a higher **resolution** . The ability to
display parts of the **picture** in different colours helps to improve the
legibility of complex diagrams. Current colour TV systems use a shadow
 mask   tube with its inherent matrix of colour triads giving rise to a
display with a relatively coarse **resolution** of approximately 650 triads
per diameter. This limits the size of the **characters** to no more than 80
per line. The penetron tube does not suffer from this coarse structure and

full use may be made of the cursive writing technique. **Resolutions** of 1000 bits per diameter giving over 160 **characters** per line can be used.
   Identifiers: colour **graphics** display...

 23/3,K/6   (Item 1 from file: 6)
DIALOG(R)File   6:NTIS

0594972 NTIS Accession Number: AD-835 775/8/XAB
   Selective Photocopier
   (Final rept. Oct 66-Feb 68)
   Hemphill, K. ; Agliata, T. ; Townsend, S.
   Xerox Corp Rochester N Y Information Systems Div
   Corp. Source Codes: 403844
   Report No.: RADC-TR-68-121
   Jun 68   132p
   Journal Announcement: GRAI7705
   Distribution limitation now removed. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
   NTIS Prices: PC A07/MF A01

   ... of the Selective Photocopier, an experimental device developed to determine the feasibility of preprocessing hardcopy **data** for input to **character** readers and composer- **printers** . The Selective Photocopier uses unique automatic **document** handling techniques and a novel electronic concept affording precise control of **masking** for recording **text** and **graphics** separately using operator discrimination. Specialized development was applied to the optical, **masking** , structure and **document** handling areas particularly with systems development in video tape recording and control utilizing state-of...
   Descriptors: *Reading machines; * **Data** processing; * **Documents** ; Processing; Microfilm; Magnetic tape; **Graphics** ; Feasibility studies; Optical equipment; Flow charting; **Resolution** ; Automatic; Input output devices; **Data** storage systems

 23/3,K/7   (Item 1 from file: 34)
DIALOG(R)File   34:SciSearch(R) Cited Ref Sci

04985470   Genuine Article#: UX449   No. References: 57
Title: **MATCHING 3-D ANATOMICAL SURFACES WITH NONRIGID DEFORMATIONS USING OCTREE-SPLINES**
Author(s): SZELISKI R; LAVALLEE S
Corporate Source: MICROSOFT CORP,1 REDMOND WAY/REDMOND//WA/98052; FAC MED GRENOBLE,TIMC,IMAG/F-38706 LA TRONCHE//FRANCE/
Journal: INTERNATIONAL JOURNAL OF COMPUTER VISION, 1996, V18, N2 (MAY), P 171-186
ISSN: 0920-5691
Language: ENGLISH   Document Type: ARTICLE   (Abstract Available)

...Abstract: two 3-D surfaces, such as those which describe anatomical structures in 3-D medical **images** . Although we match surfaces, we represent the deformation as a volumetric transformation. Our method performs...

...the two surfaces, we use a precomputed distance map represented using an
    octree spline whose **resolution** increases near the surface. To quickly
    and robustly compute the deformation, we use a second...
...Identifiers-- **IMAGES**; REGISTRATION; MODELS; BRAIN
Research Fronts: 94-1847 002   (INVARIANT 3-D OBJECT CURVE MODELS; **IMAGE**
    CONTOURS; RANGE **DATA** ; INTERACTIVE DESIGN)
  94-0256 001   (2ND-ORDER MOTION; STEREO MATCHING PRECEDES DICHOPTIC
    MASKING ; OBSTACLE DETECTION)
  94-2395 001   (POSITRON EMISSION TOMOGRAPHY; FUNCTIONAL BRAIN **IMAGES** ;
  . WHOLE-BODY PET **SCANNER**)
  94-2674 001   (SHAPE DISTRIBUTIONS; AUTOMATIC 3D INTERSUBJECT
    REGISTRATION OF MR VOLUMETRIC **DATA** ; FUNCTIONAL BRAIN **IMAGES**)
  94-2928 001   (OFF-LINE HANDWRITTEN **TEXT** ; INTRA-IRRADIATION MULTIMODAL
    IMAGE REGISTRATION; EUCLIDEAN DISTANCE TRANSFORM)
  94-3098 001   (MULTIGRID ALGORITHMS; MULTILEVEL ADAPTIVE ITERATIVE
    METHOD; FULL NONLINEAR...

 23/3,K/8   **(Item 1 from file: 94)**
DIALOG(R)File   94:JICST-EPlus
(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

00240091   JICST ACCESSION NUMBER: 86A0256213   FILE SEGMENT: JICST-E
High picture **quality Auto-** Scan **TV receiver model PC-TV451.**
SUNADA KOUICHI (1); ITOH TAKAFUMI (1); TERAMATSU HIDEKI (1); MORIMOTO
    KOUZABUROH (1)
(1) NEC Home Electronics Ltd.
NEC Giho(NEC Technical Journal), 1986, VOL.39,NO.4, PAGE.24-35, FIG.16,
    TBL.1, REF.1
JOURNAL NUMBER: G0475BAB   ISSN NO: 0285-4139
UNIVERSAL DECIMAL CLASSIFICATION: 621.397.62
LANGUAGE: Japanese   COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

High picture **quality Auto-** Scan **TV receiver model PC-TV451.**
ABSTRACT: PC-TV451 is a 15-inch display television incorporating an Auto
    Scan system. This system automatically responds to any of the sets 3
    modes, which have a horizontal **scanning** frequency of 15kHz(15-17kHz),
    24kHz(22-26kHz), and 31kHz(29kHz-34kHz). This set can...

...not only as a television receiver and video monitor but also for
    displaying personal computer **data** and New Media peripherals. It is
    equipped with an 8 pin digital RGB input terminal...

...with New Media equipment such as Teletext and CAPTAIN. We have also
    incorporated a high **resolution** 15-inch SF, shadow **mask** CRT (**mask**
    pitch 0.31mm, dot system). As a result, a **resolution** of 4050
    character display has been achieved when displaying personal
    computers, and a high contrast in TV and...

...with the latest technology a broad-band video circuit has been developed
    producing a horizontal **resolution** of 600 TV lines at the video input.
    (author abst.)
...DESCRIPTORS: **picture** tube...

... **scanner** ;
...BROADER DESCRIPTORS: **picture** signal...

... **picture** communication

 23/3,K/9   **(Item 1 from file: 95)**
DIALOG(R)File 95:TEME-Technology & Management
(c) 2004 FIZ TECHNIK. All rts. reserv.

01056531 E96120865246
Bilder bearbeiten wie ein Profi. Wie Sie Grafiken aendern, konvertieren und drucken
(**Imageprocessing** like a professional. **Graphics** change, convert and **print**)
anonym
PC Welt, v37, n1, pp140-147,150-158, 1997
Document type: journal article Language: German
Record type: Abstract
ISSN: 0175-0496

(**Imageprocessing** like a professional. **Graphics** change, convert and **print**)

ABSTRACT:
Der Beitrag enthaelt 34 Tips zur Bildbearbeitung mit folgenden Themen:
Bildteile auswaehlen, **Maskenauswahl** bearbeiten, Bildteile verschieben und
duplizieren, Farbgestaltung veraendern, Aufloesung verkleinern,
Gammakorrektur, Bilder mit Schriften als Textblock einfuegen, **Text** mit
Schatten versehen, Farbreduktion, Fotomontage, Datenaustauschformat,
Farbtiefe, Datenkompression, Bilddateien elektronisch versenden, Dateien
konvertieren, Bildaufloesung, Bildpraesentation als Dia oder
Overhead-Folie, aufbuegelbare Folie herstellen, Tassen verzieren, **Photo**
-CD herstellen, Nutzung von Bildquellen aus dem Internet und bei
Compuserve. Die Tips gelten fuer...
DESCRIPTORS: **IMAGE** **RESOLUTION** ; **IMAGE** CODING; **IMAGE** ELEMENTS;
COMPUTERISED **PICTURE** PROCESSING; **IMAGE** ENHANCEMENT; **IMAGE** QUALITY;
IMAGE CONTRAST; COLOUR **PICTURES** ; COLOUR TINT; **DATA** COMPRESSION; GRAY
LEVEL; **DATA** FORMAT; DIAPOSITIVE; MICROCOMPUTERS; STORAGE CAPABILITIES;
PLASTICS FOILS

 23/3,K/10   **(Item 1 from file: 248)**
DIALOG(R)File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00154030   Pira Acc. Num.: 7321859   Pira Abstract Numbers: 02-87-00357
 Title: **PROGRESS BY DESIGN**
 Authors: Midgley D
 Source: Print. World vol. 216, no. 21, 19 Nov. 1986, p. 20
 ISSN: 0032-8715
 Publication Year: 1986
 Document Type: Journal Article
 Language: English

 ...Abstract: part of the the Dutch company Claessens International has
developed a computer system on which **graphic** designs can be prepared at
the console with real-time feedback. Crosfield Electronics, Hemel Hempstead

has been given worldwide distribution rights to the **printing** industry. Crosfield claim that, using Aesthedes vector-to-raster converter, high **resolution** raster **data** can be generated. The system gives a powerful line work or creative capacity while Crosfield's Pro-Edit is more suitable for **image** and **text** work. Prices are similar for similar configurations. There are 60 installations worldwide with 10 in...

... ready line illustrations and magic marker roughs. Other outputs will produce 35mm slides and film **masks** . In the page make-up field, the system can be used to design front covers...
   ...Descriptors: **DATA ;** ...

...FILM - **PHOTOGRAPHIC ;** ...

... **GRAPHIC ;** ...

... **IMAGE ;** ...

... **MASK ;** ...

... **PRINTING ;** ...

... **RESOLUTION ;** ...

... **TEXT ;**
  Section Headings: Typesetting and **word** processing (2210)
?

34/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5208609   INSPEC Abstract Number: B9604-6140C-348, C9604-1250-182
 Title: **Learning texture discrimination** masks
  Author(s): Jain, A.K.; Karu, K.
  Author Affiliation: Dept. of Comput. Sci., Michigan State Univ., East
Lansing, MI, USA
  Journal: IEEE Transactions on Pattern Analysis and Machine Intelligence
  vol.18, no.2   p.195-205
  Publisher: IEEE Comput. Soc,
  Publication Date: Feb. 1996 Country of Publication: USA
  CODEN: ITPIDJ   ISSN: 0162-8828
  SICI: 0162-8828(199602)18:2L.195:LTDM;1-7
  Material Identity Number: I317-96002
  U.S. Copyright Clearance Center Code: 0162-8828/96/$05.00
  Language: English
  Subfile: B C
  Copyright 1996, IEE

  Title: **Learning texture discrimination** masks
   ...Abstract: texture classification experiments. It is successfully
applied in the tasks of locating barcodes in the **images** and **segmenting**
 a **printed** **page** into **text** , **graphics** , and background. Compared with
the traditional multichannel filtering method, the neural network approach
allows one...
   ...Descriptors: **image** classification...

... **image** segmentation...

... **image** texture
   ...Identifiers: texture discrimination **masks** ; ...

... **text** ; ...

... **graphics** ;

 34/3,K/2   (Item 1 from file: 95)
DIALOG(R)File   95:TEME-Technology & Management
(c) 2004 FIZ TECHNIK. All rts. reserv.

01029468 E96091221243
 Page segmentation **for document** image **analysis using a neural network**
(Abtrennung von **Text** -Teilen (Segmentierung) in Dokumenten bei der
Bildanalyse mit Hilfe eines neuronalen Netzwerkes)
Patel, D
Univ. of London, GB
Optical Engineering, v35, n7, pp1854-1861, 1996
Document type: journal article Language: English
Record type: Abstract
ISSN: 0892-3286

 Page segmentation **for document** image **analysis using a neural network**
(Abtrennung von **Text** -Teilen (Segmentierung) in Dokumenten bei der
Bildanalyse mit Hilfe eines neuronalen Netzwerkes)

ABSTRACT:
In this paper a method is presented for **segmenting** document **page images** into **text** and nontext regions. The underlying assumption made by this approach is that the two regions...

...document format was used. A convolution-based method is used to generate the texture feature **images** . The coefficients of the convolution **masks** are obtained using a single-layer artificial neural network that generates eigenvectors of the correlation matrix of the input data. The coefficients of these **masks** have been 'learned' from examples of the document **images** and have a potential of being considerably more powerful than **masks** with preset coefficients. A thresholding scheme based on a measure of entropy is used to segment the feature **images** into the homogeneous regions.
DESCRIPTORS: **IMAGE** SEGMENTATION; COMPUTERISED **PICTURE** PROCESSING; DOCUMENT; MESSAGE PROCESSING; PAPERS; PRESSWORKING...

... **PRINTING** ; BULLETIN; PUBLICATION; **TEXT** COMMUNICATION; **GRAPHIC** PRESENTATION; **IMAGE** ANALYSIS; **IMAGE** RECOGNITION; LIBRARIES; LITERATURE; BIBLIOGRAPHY; DRAWING...

...SKETCH; ENGINEERING DRAWINGS; **IMAGE** SCANNERS; OCR...

...OPTICAL **CHARACTER** RECOGNITION; FEATURE RECOGNITION; PARALLEL PROCESSING; ARTIFICIAL NEURAL NETWORKS
?

38/3,K/1   (Item 1 from file: 248)
DIALOG(R)File 248:PIRA

 Title: **Gravure advances at Drupa: new gravure systems shown at Drupa 2004**
  Authors: Tribute A
  Source: Seybold Rep. - Anal. Publ. Technol. vol. 4, no. 5, 9 June 2004,
pp 10-12
  ISSN: 1533-9211
  Publication Year: 2004
  Document Type: Journal Article
  Language: English

  Abstract: A number of innovations in gravure **printing** were shown at
Drupa 2004, including a series of cylinder preparation technologies.
Exhibitors showed a...

... Think Laboratories' Laserstream FX system both use a Creo SquareSpot
imaging head to expose a **mask** on the cylinder. The **high** **resolution** of
the imaging head gives a significantly higher quality in areas of line work
and **text** than is possible with diamond engraving. The Exactus and
Laserstream systems use different thermal resists...
  ...Descriptors: GRAVURE **PRINTING** ;

38/3,K/2   (Item 2 from file: 248)
DIALOG(R)File 248:PIRA

 Title: **Developments in coding and marking**
  Authors: Anon
  Source: Int. Bottler Packer vol. 76, no. 11, Nov. 2002, pp 53-58
  ISSN: 0020-6199
  Publication Year: 2002
  Document Type: Journal Article
  Language: English

  ...Abstract: in coding and marking equipment for the beverages packaging
industry are reviewed, focusing on: Linx **Printing** Technologies Plc's ink
jet and laser coding/marking technologies, Imaje UK Ltd's move...

... AllenScribe Laser Coder, ideally suitable for a wide range of
coding/marking applications and offering **print** standards unmatched by
matrix laser coders and easily installed on the production line, Domino UK
...

... s range of solutions for improving the efficiency of production lines,
Alltec GmbH's laser **mask** systems for coding labels on the glue pallet and
container table, plastic and glass bottles, cans, cardboard containers and
trays, LogoPak International Ltd's new 915PLII and 920PLII **printing** and
label applicating equipment incorporating new leading round-edge SFP
technology **print** -head and drivers as supplied to J Sainsbury, and Alpha
Dot Limited's new generation of **high** **resolution** ink jet **printers** ,
including the Merlin 170 all in one system for **printing** **text** and time
codes at up to 300dpi in three different **character** heights.

38/3,K/3   (Item 3 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00458130   Pira Acc. Num.: 20061641
 Title: **Linotype-Hell with a thick package of new products**
  Authors: Nicolay K-P
  Source: DruckInd. vol. 26, no. 13, 9 July 1996, pp 11-15, 17
  ISSN: 0046-0737
  Publication Year: 1996
  Document Type: Journal Article
  Language: German

  ...Abstract: developed products are described. They include improvements
to the Topaz family of flatbed scanners, and **high   resolution** colour
CCDs from Kodak; improved DaVinci software, which now includes a **text**
 editor, soft **masks** and special colours, the new DaVinci Sprint
workstation, with imaging software on a standard Silicon...

 ...new LinoServer Pentium-based generation; Delta technology expansions and
the Signasetter imager for eight-page **printing** plates.
   Section Headings: **Text** Processing (8210)

 38/3,K/4   (Item 4 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00215860   Pira Acc. Num.: 9630090   Pira Abstract Numbers: 03-91-00386
 Title: **DANAPAK EXTENDS PURUP INSTALLATIONS**
  Authors: Anon
  Source: In-Pak vol. 11, no. 3, 30 Mar. 1990, p. 23
  ISSN: 0106-9403
  Publication Year: 1990
  Document Type: Journal Article
  Language: Danish

  ...Abstract: electronic prepress system from Purup Electronics A/S of
Denmark. All type for packaging including **text** , pictures, graphics, line
codes, **mask** films etc. is produced by the system, stored in diskettes and
sent to a central...

 ... job is exposed in a laser typesetter which produces plate ready, colour
separated film in **high   resolution** . Another Purup system has since been
installed at Danapak's factory at Slagelse. It includes...
   ...Descriptors: **MASK** ; ...

 ... **TEXT** ;
   Section Headings: Package **printing** (3753); Company Information (3140)

 38/3,K/5   (Item 5 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00076473   Pira Acc. Num.: 40606596
 Title: **HIGH SPEED, LOW-COST CHARACTER   PRINTER**

Title: HIGH SPEED, LOW-COST CHARACTER PRINTER

Abstract: A light-weight **print** head having an array of LED light emitting elements positioned adjacent an apertured **mask** is employed to photographically record at very high speeds **characters** having **high resolution** so that they are suitable for phototypesetting. The light transmitting apertures have a cross-sectional...

... and since the apertures may be very accurately positioned with respect to each other, high **character** resolutions are obtainable despite misalignment between the **mask** and the array of LEDs. A flat, lightweight, flexible ribbon of conductors is coupled between...
? t40/3,k/all

40/3,K/1 **(Item 1 from file: 35)**
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01170030 ORDER NO: AAD91-22560
HIGH-PRECISION MASKS **FOR SUBMICRON LITHOGRAPHY (LITHOGRAPHY)**
Author: MALUF, NADIM ILYAS
Degree: PH.D.
Year: 1991
Corporate Source/Institution: STANFORD UNIVERSITY (0212)
Source: VOLUME 52/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1632. 212 PAGES

HIGH-PRECISION MASKS **FOR SUBMICRON LITHOGRAPHY (LITHOGRAPHY)**

As dimensions continue to shrink, **mask** fabrication becomes a critical issue especially for unity magnification lithographic schemes. How well and how inexpensively we can **print** patterns on wafers depends largely on how precisely and how inexpensively we can make **masks** . We review here the **mask** requirements for sub-micron lithography, propose and demonstrate a novel approach for **mask** making and a new structure for proximity x-ray **masks** .
    In the fabrication of lithographic **masks** , an electron beam serially scans the pattern pixel elements thereby resulting in some adverse effects ...
...we call "quantum lithography", the edge definition and interior filling steps are separated. The blank **mask** is fabricated as a regular lattice of tiles representing pattern pixel elements in which the...

...separation between adjacent tiles is such that it is less than the resolution of the **imaging** optics. The pattern is then customized by tagging the tiles and removing those tiles using **low resolution** schemes. We describe in this work the principles of quantum lithography and successfully demonstrate the fabrication and the exposure of such **masks** .
    We then describe a new structure for x-ray proximity **masks** where the absorber is embedded in the membrane. Such a structure offers enhanced mechanical robustness. These **masks** were fabricated by reactive ion etching trenches in silicon membranes and selectively filling these

trenches...

...elevated temperature. The analytical results were later confirmed by
experimentally measuring these distortions on fabricated **masks** using
electron beam metrology. Two methods are proposed to reduce and eliminate
undesirable distortions. The first consists of adding a buffer layer
between the two **mask** components to compensate any existing stresses. The
second method uses membranes with a high Young's modulus; conventional
x-ray **masks** using diamond membranes were fabricated and exhibited very
low distortions.

40/3,K/2   (Item 1 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00235264   Pira Acc. Num.: 10087797   Pira Abstract Numbers: 08-91-PU03109
 Title: **COLOUR CHANGE**
  Authors: Anon
  Source: Lithoweek vol. 13, no. 34, 28 Aug. 1991, p. 25
  ISSN: 0264-732X
  Publication Year: 1991
  Document Type: Journal Article
  Language: English

  Abstract: The colour package available from Ventura, which allows PC
users to scan in and **print** separations of colour documents and **images** ,
is described. It consists of Ventura Scan, Ventura Separator, Ventura
ColorPro (standalone colour correction and separation tool for unsharp
masking , undercolour removal and grey component replacement), Ventura
PhotoTouch (**image** processing, correction, retouching and **masking** in
low - resolution format), and Ventura Publisher 4.0 (supports colour TIFF
files and offers Pantone colour specification...
  ...Descriptors: **GRAPHIC REPRODUCTION**...

... **IMAGE** ; ...

... **MASKING** ; ...

... **PRINT** ; ...

...TAGGED **IMAGE** FILE FORMAT
  Section Headings: **Graphic** Reproduction (8230); Colour Scanners (8237)

40/3,K/3   (Item 2 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00193692   Pira Acc. Num.: 8921709   Pira Abstract Numbers: 02-89-03213
 Title: **DIGITAL ERASE** MASKING **IN COLOR ELECTROPHOTOGRAPHY**
  Authors: Sakai K; Yonenaga K; Shinguryo S; et al
  Source: Paper presented at the Third International Congress on advances
in non-impact technologies held (24-28 August 1986) in San Francisco, CA,
USA, pp 388-397 [Springfield, VA, USA: SPSE Society for Imaging Science and
Technology, 587 pp, $45.00, (655.39) (1788)
  Publication Year: 1987
  Document Type: Conference Publication

Language: English

Title: DIGITAL ERASE MASKING **IN COLOR ELECTROPHOTOGRAPHY**

Abstract: A unique hybrid electrophotographic colour method, Digital Erase **Masking** is presented, in which a high resolution main **image** is made with analogue optics, and a **low resolution** unsharp **mask image** is made with digital optics. The analogue method makes **images** with conventional lens optics; the digital method makes **images** comprising various size dots, with high resolution digital optics; and the DEM method makes **images** with conventional lens optics and erases them with **low resolution** digital optics. In experiments, a **mask image** processing unit and a colour copy unit are used, the former comprising an industrial TV camera, **mask image** processor, keyboard, display, floppy disc and **printer** . Tone and colour reproduction are superior to other analogue methods, and sharpness slightly better.

Company Names: SOCIETY OF **PHOTOGRAPHIC** SCIENTISTS AND ENGINEERS

...Descriptors: **IMAGE ;** ...

... **IMAGE** PROCESSING...

... **MASK ;** ...

... **MASKING ;** ...

... **PRINTER ;**

Section Headings: Plateless **printing** (2160)

?

44/3,K/1   (Item 1 from file: 2)

4997948   INSPEC   Abstract   Number: A9515-9480-008,   B9508-7710B-054,
C9508-7460-049
 Title: **Fast Auroral Snapshot Explorer (FAST) packet processing system**
  Author(s): Shi, J.; Mao, T.; Chesney, J.; Speciale, N.
  Author Affiliation: Mission Oper. & Data Syst. Directorate, NASA Goddard.
Space Flight Center, Greenbelt, MD, USA
  Conference Title: ITC/USA/ '93. International Telemetering Conference.
Vol.29   p.445-59
  Publisher: ISA, Research Triangle Park, NC, USA
  Publication Date: 1993 Country of Publication: USA   828 pp.
  Material Identity Number: XX93-01952
  Conference   Title: Proceeding   of   1993   International   Telemetering
Conference (Telemetering-Yesterday, Today and Tomorrow)
  Conference Sponsor: Int. Found. Telemetering
  Conference Date: 25-28 Oct. 1993   Conference Location: Las Vegas, NV,
USA
  Language: English
  Subfile: A B C
  Copyright 1995, IEE

  ...Abstract: Space Data Systems (CCSDS) data format (1987), and features
high data processing rates, highly automated **operations** , and **open**
 software foundation (OSF)/Motif based **Graphical** User Interface (GUI).

 44/3,K/2   (Item 2 from file: 2)

03578322   INSPEC Abstract Number: C90021604
  Title: **Porting applications to the XView toolkit and the OPEN LOOK**
graphical user interface
  Author(s): Simpson, N.
  Author Affiliation: Sun Microsyst., Mountain View, CA, USA
  Conference Title: Proceedings of the Autumn 1989 EUUG Conference   p.
219-28
  Publisher: Eur. UNIX Syst. User Group, Buntingford, UK
  Publication Date: 1989 Country of Publication: UK   x+302 pp.
  ISBN: 0 9513181 3 6
  Conference Sponsor: Eur. UNIX Syst. Users Group
  Conference Date: 18-22 Sept. 1989   Conference Location: Vienna, Austria
  Language: English
  Subfile: C

  Abstract: The   **OPEN**   LOOK   **graphical**   user   interface   **functional**
specification has evolved over the past two years with the final draft,
Revision 18, becoming...
  ...Identifiers: **OPEN** LOOK **graphical** user interface **functional**
specification

 44/3,K/3   (Item 1 from file: 8)

04481011   E.I. No: EIP96083297353
  Title: Phase-root locus and relative stability
  Author: Cavicchi, Thomas J.
  Source: IEEE Control Systems Magazine v 16 n 4 Aug 1996. p 69-77
  Publication Year: 1996
  CODEN: ISMAD7   ISSN: 0272-1708
  Language: English

  Identifiers: Phase root locus; **Open** loop transfer **function** ;
Graphical tool; Constant phase contours; Contour plotting; Cauchy
principle; Phase margin

  44/3,K/4   (Item 2 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2004 Elsevier Eng.   Info. Inc. All rts. reserv.

01688089   E.I. Monthly No: EIM8410-076835
  Title: CONTROL SYSTEMS DESIGN, STATE VARIABLES APPROACH.
  Author: Shah, Dipak C.; Sawan, Mahmoud E.; Tran, Minh T.
  Corporate Source: Wichita State Univ, Wichita, Kans, USA
  Conference Title: 1984 IEEE Region 5 Conference: Electrical Engineering -
A Century of Serving Society.
  Conference Location: Wichita, Kans, USA   Conference Date: 19840409
  E.I. Conference No.: 04343
  Source: IEEE Region 5 Conference 1984. Publ by IEEE, New York, NY, USA.
Available from IEEE Service Cent (Cat n 84CH2001-6), Piscataway, NJ, USA p
124-126
  Publication Year: 1984
  CODEN: IRCOER
  Language: English

  Identifiers: COMPENSATOR DESIGN; STATE VARIABLE APPROACH; **CLOSED** -LOOP
TRANSFER **FUNCTION** ; **GRAPHICAL** DESIGN METHODS
?

Set	Items	Description
S1	1673823	DOCUMENT?? OR DATA
S2	728735	PRINT??
S3	875187	TEXT OR WORD?? OR CHARACTER??
S4	1807827	IMAG? OR PICTURE?? OR PHOTO OR PHOTOGRAPH?? OR GRAPHIC? OR JPEG OR BITMAP
S5	24479	(SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?) AND S3 AND S4
S6	3545	LOW()RESOLUTION?
S7	47062	HIGH()RESOLUTION?
S8	222496	MASK?
S9	268	CANON
S10	0	(OPEN OR CLOSED)(3N)GRAPHICAL(3N)(FUNCTION? OR INSTRUCTION? OR OPERATION??)
S11	271	AU=(MOREAU, J? OR AMARGER, S? OR MOREAU J? OR AMARGER S?)
S12	192445	IC=(B41B? OR G06K?)
S13	198	PAGE(3N)(SEGMENT? OR SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?) AND S3 AND S4
S14	1	S13 AND S6 AND S7
S15	29	S5 AND S6 AND S7
S16	17	S15 AND PRINT???
S17	0	S16 AND S8
S18	0	S16 AND (S9 OR S11)
S19	16	S16 NOT S14
S20	9	S19 NOT AD=20000329:20041210/PR
S21	4319	S3 AND S7
S22	2590	S4 AND S6
S23	93	S21 AND MASK?
S24	50	S22 AND MASK?
S25	140	S23 OR S24
S26	0	S25 AND GRAPHICAL(3N)(FUNCTION? OR INSTRUCTION? OR OPERATION??)
S27	38	S25 AND PRINT???
S28	4	S27 AND S12
S29	4	S28 NOT S20
S30	235	S3(3N)S7
S31	1433	S4(3N)S6
S32	11	S30 AND S31
S33	11	S32 NOT (S28 OR S20)
S34	8	S33 NOT PY=>2001
S35	32	(S30 OR S31) AND S8
S36	12	S35 AND (APPLY? OR USING)
S37	11	S36 NOT (S32 OR S28 OR S20)
S38	9	S37 NOT AD=20000329:20041210/PR

14/3,K/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009231691   **Image available**
WPI Acc No: 1992-359111/199244
Related WPI Acc No: 1998-401087
XRPX Acc No: N92-273721
   Printer output method in e.g. laser beam printer for computer – dividing
    one page **of** text **data into portions corresp. to bands of print**
    image **of page, each portion being serially developed as high density**
    image
Patent Assignee: CANON KK (CANO)
Inventor: TAKAHASHI H
Number of Countries: 006 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 510924	A2	19921028	EP 92303575	A	19920422	199244	B
JP 4323058	A	19921112	JP 9192306	A	19910423	199252	
EP 510924	A3	19930331	EP 92303575	A	19920422	199350	
EP 510924	B1	19980923	EP 92303575	A	19920422	199842	
			EP 98200667	A	19920422		
DE 69227062	E	19981029	DE 627062	A	19920422	199849	
			EP 92303575	A	19920422		
US 6002848	A	19991214	US 92871738	A	19920421	200005	
			US 97951458	A	19971016		
JP 3015133	B2	20000306	JP 9192306	A	19910423	200016	
US 6353480	B1	20020305	US 92871738	A	19920421	200224	
			US 97951458	A	19971016		
			US 99395928	A	19990914		

Priority Applications (No Type Date): JP 9192306 A 19910423
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 510924	A2	E	15	G06K-015/00	

   Designated States (Regional): DE FR GB IT

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4323058	A		8	B41J-005/30	
EP 510924	A3			G06K-015/00	
EP 510924	B1	E		G06K-015/02	Related to application EP 98200667
					Related to patent EP 856811

   Designated States (Regional): DE FR GB IT

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 69227062	E			G06K-015/02	Based on patent EP 510924
US 6002848	A			G06F-015/00	Cont of application US 92871738
JP 3015133	B2		8	B41J-005/30	Previous Publ. patent JP 4323058
US 6353480	B1			G06K-015/00	Cont of application US 92871738
					Div ex application US 97951458
					Div ex patent US 6002848

...   dividing **one** page **of** text **data into portions corresp. to bands**
   of print image **of page, each portion being serially developed as high**
   density image

...Abstract (Basic): The output method involves analysing input data to
    determine whether the input data is **text** data or **graphic** data.
    Text data is developed as dot patterns of **high** **resolution** and
    graphic data as dot patterns of **low** **resolution** . The method further
    involves smoothing dot patterns of **low** **resolution** and outputting
    dot patterns at a variable resolution...

...Input data is received in a page description language which includes

text description commands and **graphic** description commands. The commands are analysed to determine whether the input data is **text** data or **graphic** data...

...Title Terms: **TEXT** ;

?

06722033   **Image available**
AUTOMATIC RE- **PRINTING** MACHINE PLATE METHOD FOR **IMAGE**

AUTOMATIC RE- **PRINTING** MACHINE PLATE METHOD FOR **IMAGE**

ABSTRACT

PROBLEM TO BE SOLVED: To discriminate a **character** or the like in an **image**, which is not discriminated in a **low – resolution** **image** (coarse **image**) by means of a conventional thinning **image** through the use of the **low resolution** **image** which is **JPEG** -compressed as the **low – resolution image** .

SOLUTION: A **printer** 14 is connected to an automatic re- **printing** server 11, with CPU such as a DTP personal computer 13 in a customer or the like, and the coarse **image** (**low resolution image**) obtained by **JPEG** compression in the **printer** 14 is outputted as a high quality **image** . That is, a **high – resolution image** inputted by a scanner 12 or the like is **divided** in two, that is, the **high resolution image** and the **low resolution image** (coarse **image**) when they are preserved in the server 11 in the same way as in the conventional manner. But the **low – resolution image** in this case is the coarse **image** obtained through **JPEG** compression. The **low – resolution image** obtained through **JPEG** compression is one obtained by compressing the original **image** through the use of a **JPEG** system being one of **image** preserving systems.

06548739   **Image available**
IMAGE FORMING DEVICE AND ITS METHOD

IMAGE FORMING DEVICE AND ITS METHOD

ABSTRACT

PROBLEM TO BE SOLVED: To obtain an **image** with high quality by separating an area of a **character** /line drawing from an area of a half tone **image** in the case of **printing** a bit map **image** .

SOLUTION: In the case of generating a bit map **image** by a rasterizer 14 receiving an **image** command, attribute map information denoting the attribute of a **character** area or the like corresponding to each pixel of the generated bit map mage is generated and stored in an attribute map memory 16. An **image** processing **section** 17 refers to the attribute map memory to generate a signal denoting an output with low **resolution** for inside of thick **characters** and for a half tone area and with high **resolution** in other **characters** and the signal is outputted from an **image** forming unit 19.

20/3,K/3   (Item 3 from file: 347)

06046263   **Image available**
DEVICE AND METHOD FOR **IMAGE** FORMING, AND **PRINTER**

PUB. NO.:   10-329363 [JP 10329363 A]
PUBLISHED: December 15, 1998 (19981215)
INVENTOR(s):   HATTORI TOSHIYUKI
APPLICANT(s): SEIKO EPSON CORP [000236] (A Japanese Company or Corporation)
               , JP (Japan)
APPL. NO.:   09-139855 [JP 97139855]
FILED: May 29, 1997 (19970529)

DEVICE AND METHOD FOR **IMAGE** FORMING, AND **PRINTER**
...JAPIO KEYWORD: **Word** Processors)

ABSTRACT
PROBLEM TO BE SOLVED: To form a high **resolution** and high gradation **image** by little memory consumption, by a method wherein it is judged whether the **image** to be drawn is a first kind requiring importance of resolution or a second kind requiring importance of the number of levels of gradation, and bit **images** of the first and second kinds of **images** drawn by first and second renderers are combined with each other...
...SOLUTION: A drawing command is received by a data receiving **section** 3 to be interpreted by a language interpreting **section** 5, thereby judging whether an element **image** is a first kind or a second kind respectively requiring importance of resolution or importance of gradation. The command is transmitted to a first or second intermediate code generating **section** 7A, 7B in accordance with the kind thereof. The first or the second intermediate code generating **section** 7A, 7B converts the element **image** to the first intermediate code 9A having high **resolution** and low gradation or the second intermediate code 9B having low **resolution** and high gradation to be temporarily stored in a memory. Rendering is executed by a first or a second renderer 11A, 11B, the intermediate code is converted to dot **image** data by a first or a second dot pattern generating **section** 13A, 13B, then a logical sum **section** 15 generates final dot **image** data including all of **printing** element pixels.

DIALOG(R)File 347:JAPIO

05874037   **Image available**
RECORDER AND RECORDING METHOD

PUB. NO.:   10-157137 [JP 10157137 A]
PUBLISHED: June 16, 1998 (19980616)
INVENTOR(s):   FUJITA MIYUKI
               INUI TOSHIJI
               NAGOSHI SHIGEYASU
               AKIYAMA YUJI
               UETSUKI MASAYA
               KANDA HIDEHIKO
               YAMADA AKITOSHI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   08-325704 [JP 96325704]
FILED: December 05, 1996 (19961205)

...JAPIO KEYWORD:Ink Jet **Printers**); R139 (INFORMATION PROCESSING...

... **Word** Processors)

ABSTRACT
PROBLEM TO BE SOLVED: To obtain a recorder and a recording method in which
a **high**   **resolution**   **image** and a high quality **image** can be obtained
simultaneously   even   when   recording   elements,   arranged   at   a   **low**
 resolution pitch, are employed...

...SOLUTION: When   one   row   of   pixels   is   recorded   while   performing
subscanning for recording an **image** at a pixel pitch (q) with regard to a
recording head 702 arranged with recording elements 81 at a pitch Kq (K:
integer),   main   scanning   is   performed while **dividing** into (d) times (d:
integer). Number of recording elements 81 to be driven is differentiated
for   each   main   scanning   thus **divided** and one row of pixels is recorded
while being **divided** by (d) on each main scanning line of pixel pitch (q).

DIALOG(R)File 347:JAPIO

04583277   **Image available**
HIGH-DENSITY **PRINTING** METHOD OF **PRINTER**

PUB. NO.:   06-255177 [JP 6255177 A]
PUBLISHED: September 13, 1994 (19940913)
INVENTOR(s):   KAWAGUCHI HIROMI
               SATO KAZUYASU
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
               (Japan)
               FUJITSU ISOTEC LTD [491218] (A Japanese Company or
               Corporation), JP (Japan)
APPL. NO.:   05-044219 [JP 9344219]
FILED: March 05, 1993 (19930305)

HIGH-DENSITY **PRINTING** METHOD OF **PRINTER**

ABSTRACT

PURPOSE: To **print** with **high resolution** without raining the **printing**
resolution of a **printer** itself by shifting and **printing** a next path by
1/n pitch to a preceding path in the lateral direction at the **printing**
time in the lateral direction...

...CONSTITUTION: An **image** data of **high resolution** is **divided** and
transferred to a **low** - **resolution printer** 3 by (n) times. When the
printer 3 receives **image** data of n times the resolution, the **printer**
thins the data by the amount of the resolution thereof before **printing** ,
changes lines by 1/n pitch, thereby sequentially conducting **printing** (n)
times. At this time, the **printing** direction of a path, namely, lateral
direction of the path is shifted every 1/n pitch to that of the precedent
path. In other **words** , (n) times the resolution is allowed for the
printer of **low resolution** only when lines are to be changed. When the
image data of (n) times the resolution is to be transferred, the **image**
data is **divided** to (n) transfer paths and sequentially **printed** while
the lines are minutely shifted at the side of the **printer** . Accordingly,
printing with **high resolution** is achieved.

20/3,K/6   **(Item 6 from file: 347)**

04254377   **Image available**
PRINTER

PRINTER
ABSTRACT
PURPOSE: To achieve high quality **print** by synthesizing data at a
prescribed part having **high resolution** fed from a first storage means
and data at the part other than the prescribed...

...CONSTITUTION: In **low resolution image** data (160dpi) from a
personal computer body, **graphic** data is developed in a second RAM 5 for

low resolution as it is and held therein, and **character** codes of **text** data in the **image** data are held in a code buffer area in a first RAM 9. Upon finishing the receiving of one page of **image** data, a CPU 23 designates an engine control **section** 21 for a prescribed resolution (320dpi) of the **text** data while furthermore sets a PRTC 11 and actuates the engine control **section** 21.

20/3,K/7   (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO

04084152   **Image available**
 PICTURE   PROCESSING METHOD

PUB. NO.:   05-075852   [JP 5075852 A]
PUBLISHED: March 26, 1993 (19930326)
INVENTOR(s):   KAWAMURA NAOTO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
                (Japan)
APPL. NO.:   04-016212   [JP 9216212]
FILED: January 31, 1992 (19920131)
JOURNAL: Section: E, Section No. 1405, Vol. 17, No. 404, Pg. 121, July
                28, 1993 (19930728)

 PICTURE   PROCESSING METHOD

                           ABSTRACT
PURPOSE: To reduce data capacity without degrading the appearance quality of a **picture** by storing binary **picture** data with **high** **resolution** , storing multilevel **picture** data with **low** **resolution** and selecting either one of each area...
...CONSTITUTION: When the original of an original **picture** is **divided** into a half- tone **picture** area and a **character** part area, they are designated by discrimination codes and the discrimination codes are stored in a zone memory 41. An analog **picture** signal read as a time group signal from an input device 40 is converted into...

... bit digital signal, for instance, by an A-D converter 42. As for a halftone **picture** part, it is stored in an **image** memory 46A as it is 8-bit constitution with the form of density data. As for a **character** part, it is binarized and is stored with one-bit constitution in an **image** memory 46B. By switching a selector by controlling these two kinds of **picture** data by the output signal of the zone memory 41, they are selectively taken out and are supplied to output devices such as a laser beam **printer** , etc.

20/3,K/8   (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO

03263463   **Image available**
 IMAGE   FORMING DEVICE

PUB. NO.:   02-238963   [JP 2238963 A]
PUBLISHED: September 21, 1990 (19900921)
INVENTOR(s):   ANZAI KATSUHIKO

APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
            (Japan)
APPL. NO.:   01-057910 [JP 8957910]
FILED: March 13, 1989 (19890313)
JOURNAL: Section: M, Section No. 1058, Vol. 14, No. 563, Pg. 20,
             December 14, 1990 (19901214)

IMAGE FORMING DEVICE
...JAPIO CLASS: **Photography** & Cinematography); 44.7 (COMMUNICATION

ABSTRACT
PURPOSE: To perform **imaging** from **low** **resolution** to **high** **resolution**
 with a single machine by providing means for controlling the clock signal
frequency according to...
...CONSTITUTION: Upon finish of reception/processing of single page data, a
devel op control **section** 35 reads out **character** codes from a buffer
page, if the config uration of a bit map memory 37 matches to a specific
resolution, then the develop control **section** 35 reads out **character**
 pattern matching to the resolution from a pattern storing **section** 36 and
develops the **character** pattern into the bit map memory 37. Upon finish of
development of all patterns corresponding to the **character** codes, an
output control **section** 38 provides a selection signal to a video signal
selection circuit 43 based on the...

... information on a page control table and selects any one output from
video signal generating **sections** 40-42 for 240, 300, 400dpi. Then a
rotation corresponding to previous resolution is indicated for the rotary
control **section** 47 of a polygon mirror at the engine side. **Printing** is
started upon achieving to such state where **print** ing can be carried out
with specific resolution.

 20/3,K/9   **(Item 9 from file: 347)**
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

02374082   **Image available**
 PICTURE FILING DEVICE

PUB. NO.:   62-290982 [JP 62290982 A]
PUBLISHED: December 17, 1987 (19871217)
INVENTOR(s): TAJIMA KAZUAKI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
             (Japan)
APPL. NO.:   61-135464 [JP 86135464]
FILED: June 10, 1986 (19860610)
JOURNAL: Section: P, Section No. 709, Vol. 12, No. 180, Pg. 95, May
              27, 1988 (19880527)

 PICTURE FILING DEVICE

ABSTRACT
PURPOSE: To file a space in which **photographs** and **characters** are mixed
by small amount of information and to clearly reproduce by inputting parts
in a space that require accuracy at **high** **resolution** and inputting parts
that do not require accuracy at **low** **resolution** , synthesizing them at
the time of file display or **printing** , and outputting to a display device
or a **printing** device...

...CONSTITUTION: At first, the parts in a space that require accuracy, that is, **picture** information of **high resolution** are stored in a memory 3 from an inputting device 9 or a filing device 11. Then, the parts that do not require accuracy, that is, the **picture** information of **low resolution** , are stored in a memory 4. The **picture** information in the memory 3 is density converted in a density converting **section** 1 through a multiplexer 7 and stored in a memory 5 at the same resolution with the **picture** information in the memory 4. Finally, the contents of the memory 4 and memory 5 are outputted to a **picture** synthesizing **section** 2, synthesized in the **picture** synthesizing **section** 2, stored in a memory 6, and displayed in a display device 10. Thus, **picture** information of **low resolution** and **high resolution** is synthesized and can be clearly displayed.

?

29/3,K/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

016559054   **Image available**
WPI Acc No: 2004-717794/200470
XRPX Acc No: N04-568999
   Image **enhancement method for inkjet** printer **, involves applying** mask
   for low   resolution   image **enhancement, to repeated pixel pattern of**
   high resolution image **, to obtain data to enhance remaining portion of**
   high resolution image
Patent Assignee: THAKUR K (THAK-I)
Inventor: THAKUR K
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20040190786 A1   20040930 US 2003395754   A   20030324 200470 B

Priority Applications (No Type Date): US 2003395754 A 20030324
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20040190786 A1   9 G06K-009/40
   Image **enhancement method for inkjet** printer **, involves applying** mask
   for low   resolution   image **enhancement, to repeated pixel pattern of**
   high resolution image **, to obtain data to enhance remaining portion of**
   high resolution image

Abstract (Basic):
...   A **mask** used for enhancement of **low   resolution   image ,** is
   applied to repeated pixel pattern of a high resolution image , to
   obtain **image** data that is used to enhance the remaining portion of
   the high resolution **image** .
...   An INDEPENDENT CLAIM is also included for **image** enhancement
   system...

...For **imaging** apparatus such as inkjet **printer** and copier, and
   electrophotographic **printer** and copier, connected to host such as
   personal computer (PC) through communication link such as...

...Eliminates the need for changing the size of enhancement **mask** as the
   resolution increases...

...DESCRIPTION OF DRAWING - The figure shows a flowchart explaining the
   image enhancement procedure...
Title Terms: **IMAGE ;**
International Patent Class (Main): **G06K-009/40**

29/3,K/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015780136   **Image available**
WPI Acc No: 2003-842338/200378
XRPX Acc No: N03-673001
 Grey scale image **halftoning method e.g. for** printer **, involves**

comparing pixels of image with partially clustered aperiodic dither
mask having visually pleasing dot configuration, for printing
black/white dot
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: STANICH M J; THOMPSON G R; TRESSER C P; WU C W
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
US 6597813   B1 20030722 US 99265861   A   19990311 200378   B

Priority Applications (No Type Date): US 99265861 A 19990311
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6597813   B1   12 G06K-009/36
  Grey scale image halftoning method e.g. for printer , involves
  comparing pixels of image with partially clustered aperiodic dither
  mask having visually pleasing dot configuration, for printing
  black/white dot

Abstract (Basic):
...   The pixels of the grey scale image (10), are compared with
    respect to a partially clustered aperiodic dither mask (13) having
    partly random and partly deterministic single valued function, for
    printing a black or a white dot. The clustering of pixels is modulated
    and designed to produce a visually pleasing dot configurations, when
    constructing the mask from lightest to darkest grey levels.
...   1) partially clustered aperiodic dither mask generation method
    ...

...2) printer controller...

...4) machine readable medium storing grey scale image halftoning program
    ...

...For halftoning grey scale image using dither mask for low
    resolution printer and facsimile. Also, for printers e.g. laser
    and xerographic printers .
        ...
...Prevents undesirable artifacts to generate desirable mask for low
    resolution devices. Enables increasing the size of the mask , while
    preserving desired mask properties by changing the number of distinct
    grey levels...

...The figure shows the block diagram of the grey scale image halftoning
    system...

...input grey scale image (10...

... printer (15...

... printed output (16
...Title Terms: IMAGE ;
International Patent Class (Main): G06K-009/36
...International Patent Class (Additional): G06K-009/56

29/3,K/3   (Item 3 from file: 350)

012052004   **Image available**
WPI Acc No: 1998-468915/199841
XRPX Acc No: N98-365560
   Scanning inkjet printer -**plotter for** printing **ultra-** high   resolution
    colour text **or graphics on e.g. paper, transparent stock or other
    glossy media - discharge drops while scanning each way across medium,
    with each step of advance mechanism so that heads** print **, while scanning
    each way, respective generally fixed nonzero fraction of total amount of
    each secondary colour**
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: SERRA J M
Number of Countries: 025 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 863479	A2	19980909	EP 98301561	A	19980303	199841	B
JP 10244693	A	19980914	JP 9859084	A	19980225	199847	
US 6250739	B1	20010626	US 97810747	A	19970304	200138	

Priority Applications (No Type Date): US 97810747 A 19970304
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 863479	A2	E	28	G06K-015/10	

   Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI
   LT LU LV MC MK NL PT RO SI

JP 10244693	A		22	B41J-002/21	
US 6250739	B1			B41J-002/21	

   Scanning inkjet printer -**plotter for** printing **ultra-** high   resolution
    colour text **or graphics on e.g. paper, transparent stock or other
    glossy media**...

...**while scanning each way across medium, with each step of advance
 mechanism so that heads** print **, while scanning each way, respective
 generally fixed nonzero fraction of total amount of each secondary**...

...Abstract (Basic): The **printer** -plotter includes a control system which
    alternates one full reciprocation (18,19) of heads, to...

...way across the medium, with each step (42A) of an advance mechanism.
    Preferably the heads **print** , while scanning each way, a respective
    generally fixed nonzero fraction of the total amount of...

...secondary colour (23 plus 24, or 23 plus 25, or 24 plus 25) to be
    printed .
       ...

...secondary is essentially the average of two appearances respectively
    produced by scanning two ways. Various **print** **masks** complete each
    swath in eight passes with four **print** -medium advances or four passes
    and two advances, or two and one - in each case **printing** in every
    pass...

...essentially consistent and partway between two appearances respectively
    produced by scanning two ways. Avoids long- **print** -zone drawbacks
    associated with full-height-staggered heads
...Title Terms: **PRINT** ;

29/3,K/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011549503   **Image available**
WPI Acc No: 1997-525984/199748
Related WPI Acc No: 1988-143920; 1988-144305; 1991-332815
XRPX Acc No: N97-438392
   Image **processing appts. - codes** mask **code and stores in** mask **memory
   to be extracted on basis of** mask **pattern and outputs to predetermined
   output appts.**
Patent Assignee: CANON KK (CANO)
Inventor: ENOKIDA M; ISHIDA Y; KAWAMURA N; MITA Y
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5680486	A	19971021	US 87102581	A	19870929	199748	B
			US 90501429	A	19900322		
			US 91729366	A	19910712		
			US 9386368	A	19930706		
			US 94236151	A	19940502		

Priority Applications (No Type Date): JP 8714267 A 19870126; JP 86230012 A
   19860930
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5680486	A		30	G06K-009/20	Cont of application US 87102581
					Cont of application US 90501429
					Cont of application US 91729366
					Cont of application US 9386368
					Cont of patent US 5060280

   Image **processing appts...**

...**codes** mask **code and stores in** mask **memory to be extracted on basis
   of** mask **pattern and outputs to predetermined output appts.**

...Abstract (Basic): The appts. has an **image** memory which stores
   compressed and coded **image** data. The data includes a first data
   representing the **image** with a **low resolution** and second data
   representing the **image** with a high resolution. A generating unit
   decodes the stored **image** data to generate low and high resolution
   image data. Area data is provided representing a partial area of the
   image . The area data including first area data representing the
   partial area with the **low resolution** and second area data
   representing the partial area with the high resolution...

...A first processor, a display unit, processes the **low resolution**
   image data in accordance with the **low resolution** first area data.
   A second processor, a **printer** , processes the high resolution **image**
   data in accordance with the second area data. It **prints** an **image** on
   the basis of the processed high resolution **image** data...

...USE/ADVANTAGE - Reduces capacity of **mask** memory to cut out or
   synthesise **image** .

34/3,K/1   (Item 1 from file: 347)

03924887   **Image available**
CHARACTER RECOGNIZING DEVICE

ABSTRACT

... reciprocation which needs two reciprocations conventionally and to
perform the high speed processing by reading **image** data (**low
resolution**   data)   for recognizing the layout by the outward trip of the
original scanning and reading...

... character block is extracted). At the backward trip, the binary image
data 6 of the **high   resolution** for recognizing a **character** are read to
the image memory 13 and the character recognition in the character area...

34/3,K/2   (Item 2 from file: 347)

03813791   **Image available**
CHARACTER RECOGNIZING DEVICE

ABSTRACT

PURPOSE: To improve a character recognition speed by inputting **character**
recognizing **high   resolution** data and layout recognizing **low
resolution** data in an **image** memory at the end of each image sensor
original retrieval...

34/3,K/3   (Item 3 from file: 347)

03649272   **Image available**
PICTURE PROCESSING UNIT

ABSTRACT

... output with high picture quality and less information quantity by
providing a memory storing a **character** graphic picture with **high
resolution** and a memory storing a **photographic** **picture** with **low
resolution** and using the two kinds of the pictures while utilizing the
features...

34/3,K/4   (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

01805182   **Image available**
SYSTEM FOR OUTPUTTING PICTURE WITH DIFFERENT RESOLUTION IN MIXTURE

ABSTRACT

... memory 10 stores a dot pattern of a character or a graphics only
requiring a **high** **resolution** and a **character** or a **graphics** of a **low
resolution** is stored in a low resolution memory 11. Then an H signal BD
is inputted...

34/3,K/5   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012572426   **Image available**
WPI Acc No: 1999-378533/199932
XRPX Acc No: N99-283559
  **Image information recording method - involves recording structurizing
  memory file, which includes low-resolution character attribute
  information, when reproducing synthesized image as visualization image**
Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week

JP 11146274   A   19990528 JP 97302827   A   19971105 199932   B

Priority Applications (No Type Date): JP 97302827 A 19971105
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 11146274   A   9 H04N-005/278

...Abstract (Basic): NOVELTY - A low-resolution character attribute
    information indicates the character attribute of **low - resolution
    image** data and character data during the synthesizing process. A
    structurizing memory file, which includes the...
...information, is recorded when reproducing a synthesized image as a
    visualization image. DETAILED DESCRIPTION - A **high - resolution
    character** attribute information indicates the **character** attribute of
    high - resolution image data and **character** data during a
    synthesizing process.INDEPENDENT CLAIMS are also included for the
    following:an image...

 34/3,K/6   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010135461   **Image available**
WPI Acc No: 1995-036712/199505
XRPX Acc No: N95-028877
 ·**Selecting** character **on** high   resolution   graphics **display using
  low   resolution **touch screen - zooming display around initial X-Y
  coordinate values into zoom window, updating X-Y values while pointer is
  moved to selected character, calculating new centre point and repeating
  until character is in centre of window**
Patent Assignee: HONEYWELL INC (HONE)
Inventor: KILGORE W B; STAGGS K P
Number of Countries: 017 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 9429788   A1   19941222 WO 94US6755   A   19940615 199505 B

Priority Applications (No Type Date): US 9377838 A 19930615
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9429788   A1 E   42 G06F-003/033
   Designated States (National): JP
   Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
   PT SE

  Selecting character **on** high   resolution   graphics **display using
  low ** resolution **touch screen...**

 34/3,K/7   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010081972   **Image available**
WPI Acc No: 1994-349685/199443
XRPX Acc No: N94-274258
  Character recognition appts. with low-resolution storage - selects wide

range image data for characters stored in high resolution memory
w.r.t. narrower range image data for corresp. characters stored in low
resolution memory
Patent Assignee: CANON KK (CANO)
Inventor: SUGIYAMA M
Number of Countries: 001   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5361309	A	19941101	US 90575679	A	19900831	199443	B
			US 92882764	A	19920511		
			US 93173861	A	19931223		

Priority Applications (No Type Date): JP 89230415 A 19890907
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5361309	A		6	G06K-009/20	Cont of application US 90575679
					Cont of application US 92882764

... selects wide range image data for characters stored in high
resolution memory w.r.t. narrower range image data for corresp.
characters stored in low resolution...

...Abstract (Basic): The character recognition appts. has a first memory
for storing low - resolution image data expanding already stored
compressed image data. A second memory stores high-resolution data
expanding...

 34/3,K/8   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009949533   **Image available**
WPI Acc No: 1994-217246/199426
XRPX Acc No: N94-171624
 Modem accessible image database system for on-demand printing - accessing
 low or high resolution images and associated text stored on optical
 storage media at print centre via telephone lines using modem
Patent Assignee: MCDONALD B A (MCDO-I)
Inventor: MCDONALD B A
Number of Countries: 001   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5327265	A	19940705	US 92877219	A	19920501	199426	B

Priority Applications (No Type Date): US 92877219 A 19920501
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5327265	A		5	H04N-001/46	

... accessing low or high resolution images and associated text
stored on optical storage media at print centre via telephone lines using
modem

...Abstract (Basic): a document containing text and colour images involves
transmitting upon request from a customer a low resolution colour
image from a copy centre's optical disc through a telecommunication
processor and over telephone lines...

...an image frame with the size and position of the frame being correlated with the **low** **resolution** colour **image** received from the telecommunication processor. The document containing the **text** material with a **high** **resolution** version of the colour image retrieved from the optical disc is printed in the frame...

...USE/ADVANTAGE – Electronic editing of brochures etc. Transmits compressed data. Transmits only **low** **resolution** **image** by modem. Avoids image distortion...

?

06156743   **Image available**
METHOD FOR WORK ORDERING OF IMAGE AND SYSTEM THEREOF

ABSTRACT
... to the personal computer of a user in the working order system of an
image **using** a network.

SOLUTION: Each image is maintained as the set of **low**   **resolution**   **image**
 data 5b to be used by a user on a personal computer 1 and high...

... of a server computer. For example, at the time of transferring the
program of a **mask** processing to the user, it is so arranged that only a
 mask -processing procedure 6 and low resolution **mask** data 7b are
transferred, and high resolution image **mask** data 7a are not transferred.
Thus, transmitted amount can be suppressed.

04046088   **Image available**
METHOD FOR GENERATING A BORDER PICTURE

ABSTRACT
...CONSTITUTION: A **low**   **resolution**   **picture** element forming a border BP
is extracted based on a contour **mask** data representing contours C1, C2 of
two pattern elements M1, M2. Then each of the **low**   **resolution**   **picture**
elements is divided into a high resolution picture element. Then a pair
data including the picture data of a picture of two pattern elements in the
 low   **resolution**   **picture** element at the border and a data representing
to which of the two pattern elements each high resolution **picture** element
in the **low**   **resolution**   **picture** signal belongs is generated. The border
is reproduced with high resolution by **using** the pair data to reproduce

the picture of the border.

 38/3,K/3   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013772991   **Image available**
WPI Acc No: 2001-257202/200126
XRPX Acc No: N01-183434
  Image processing for magnetic resonance angiography, involves applying
  mask   images **derived from acquired** low   resolution   image , **to high
  resolution image as bandpass filter to derive filtered high resolution
  image**
Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG)
Inventor: VAN VAALS J J
Number of Countries: 027 Number of Patents: 004
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200063717   A1   20001026 WO 2000EP3072   A   20000406 200126 B
EP 1090306   A1   20010411 EP 2000926825   A   20000406 200128
                                WO 2000EP3072   A   20000406
US 6426994   B1   20020730 US 2000551005   A   20000418 200254
JP 2002541948   W   20021210 JP 2000612771   A   20000406 200301
                                WO 2000EP3072   A   20000406

Priority Applications (No Type Date): EP 99201249 A 19990420
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200063717 A1 E 25 G01R-033/563
    Designated States (National): JP
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
    MC NL PT SE
EP 1090306   A1 E   G01R-033/563 Based on patent WO 200063717
    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI
US 6426994   B1   G01R-033/563
JP 2002541948 W   26 A61B-005/055 Based on patent WO 200063717

  Image processing for magnetic resonance angiography, involves applying
  mask   images **derived from acquired** low   resolution   image , **to high
  resolution image as bandpass filter to derive filtered high resolution
  image**

Abstract (Basic):
...   The method involves acquiring a succession of **low   resolution
    images** of an examination space (30) for deriving a series of
    successive **mask** images. A high resolution image is acquired and the
    mask images is applied to the high resolution image as a bandpass
    filter (45) for deriving...
...;   a) magnetic resonance **imaging** system for acquiring **low
    resolution   images** and high resolution images...

...b) X-ray examination apparatus for acquiring **low   resolution   images**
    and high resolution image...

...Reduces image processing time by acquiring high and **low   resolution
    images** accurately for obtaining filtered high resolution image from

high resolution image...
...Title Terms: **APPLY ;**

38/3,K/4   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013283779   **Image available**
WPI Acc No: 2000-455714/200040
XRPX Acc No: N00-339738
  Photo mask **correction apparatus has image processor that forms high**
  resolution image on the top of low resolution image **input form the**
  input device, and corrects defect on synthetic image by laser beam
Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2000162760 A   20000616 JP 98340056   A   19981130 200040 B
JP 3260712   B2   20020225 JP 98340056   A   19981130 200216

Priority Applications (No Type Date): JP 98340056 A 19981130
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2000162760 A   9 G03F-001/08
JP 3260712   B2   9 G03F-001/08   Previous Publ. patent JP 2000162760

Abstract (Basic):
...   Photo **mask** correction apparatus (10) has an image processor
    (18) that forms a high resolution image (M1) stored in the memory (14)
    on top of a **low resolution image** (M2) that is input with the help
    of ITV camera (16) to form a synthetic...
...   For correcting minute defects on photo **mask** surface...

...As a high resolution **image** is formed on **low resolution image**
    input from light microscope, it is possible to correct the defect with
    high precision by **using** laser beam. As laser beam is highly focussed,
    it is possible to correct extremely minute...

...The figure indicates the block diagram of photo **mask** correction
    apparatus...

... **Low resolution image** (M2
...Title Terms: **MASK ;**

38/3,K/5   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX   .
(c) 2004 Thomson Derwent. All rts. reserv.

012488574   **Image available**
WPI Acc No: 1999-294682/199925
XRPX Acc No: N99-221259
  Image processing method for digital photograph service using **network**

e.g. internet - involves forwarding content of information process from
client to server by giving desired process using program forwarded to
low   resolution   image **data**
Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF); HARA S (HARA-I); NAKAJIMA
N (NAKA-I)
Inventor: HARA S; NAKAJIMA N
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11098286	A	19990409	JP 97255034	A	19970919	199925	B
US 20020038323	A1	20020328	US 98156764	A	19980918	200225	
US 6718353	B2	20040406	US 98156764	A	19980918	200425	

Priority Applications (No Type Date): JP 97255034 A 19970919
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11098286	A		9	H04N-001/00	
US 20020038323	A1			G09G-005/00	
US 6718353	B2			G06T-015/00	

Image processing method for digital photograph service using **network**
e.g. internet...

...involves forwarding content of information process from client to server
by giving desired process using **program forwarded to** low   resolution
image **data**

...Abstract (Basic): NOVELTY - High and low resolution **mask** data (7a,7b)
are used for processing high and **low**   **resolution**   **image** data
(5c,5b) respectively. The procedure for processing **using** the given
mask data is stored in a hard disk (3). The content of information
process is forwarded from client to server by giving desired process
using program forwarded to **low**   **resolution**   **image** data. DETAILED
DESCRIPTION - The hard disk of server computer stores program for
processing depending on...

...the processing purchase order for photograph. (3) Hard disk; (5c,5b)
Image data; (7a,7b) **Mask** data...

 38/3,K/6   **(Item 4 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012336212   **Image available**
WPI Acc No: 1999-142319/199912
XRPX Acc No: N99-103445
  Image sharpening system for image capture and display
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: TRETTER D R
Number of Countries: 027 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5867606	A	19990202	US 97909680	A	19970812	199912	B
EP 898244	A2	19990224	EP 98306132	A	19980731	199912	
JP 11150669	A	19990602	JP 98226072	A	19980810	199932	
EP 898244	B1	20030402	EP 98306132	A	19980731	200325	
DE 69812800	E	20030508	DE 612800	A	19980731	200338	

Priority Applications (No Type Date): US 97909680 A 19970812
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 5867606   A   18 G06T-005/00
EP 898244   A2 E   G06T-005/00
   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI
JP 11150669   A   16 H04N-005/208
EP 898244   B1 E   G06T-005/00
   Designated States (Regional): DE FR GB
DE 69812800   E   G06T-005/00   Based on patent EP 898244

Abstract (Basic):
...   A parameterised Fourier transform generator (14) having a blunt
   masking filter (16) generates sharpened images of predetermined
   sharpening parameter (lambda) from the original image and determines
   the frequency distribution of each sharpened **image** . **Low   resolution
   image** of the original image is generated by a **low   resolution
   image** generator (12) and its frequency distribution is determined by a
   discrete Fourier transform generator (13...

...selector (15) determines the sharpened image having a frequency
   distribution similar to that of the **low   resolution   image** by
   comparing the variance of the frequency distribution of the two images
   for selecting a...
...   b) an apparatus **using** computer executable program for
   sharpening the image...

... **Low   resolution   image** generator 12

 38/3,K/7   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010908278   **Image available**
WPI Acc No: 1996-405229/199641
XRPX Acc No: N96-341414
  Video-signal processor using **display device with wide aspect-ratio of
  screen - has max. selection output circuit which selects and outputs
  signal of bigger signal level, from supplied output signals of
  video-signal processing circuit and character signal processing circuit**
Patent Assignee: HITACHI GAZO JOHO SYSTEM KK (HITA-N); HITACHI LTD (HITA)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 7115588   A   19950502 JP 9433375   A   19940303 199641 B

Priority Applications (No Type Date): JP 93210104 A 19930825
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 7115588   A   17 H04N-005/278

  Video-signal processor using **display device with wide aspect-ratio of
  screen**...

...Abstract (Basic): video signals, e,g, movie software, by wide display
      devices. Prevents display of video signal **mask** by clearance between
      characters . Inserts **high - resolution   character** .

38/3,K/8   **(Item 6 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009397591   **Image available**
WPI Acc No: 1993-091065/199311
XRPX Acc No: N93-069599
  Forming method of boundary between two image elements decreasing jagged
  edges - extracting LPW resolution image element having boundary region
  using **contouring** mask **data of two** image **element, then dividing** low
   resolution   image **element to high resolution**
Patent Assignee: DAINIPPON SCREEN SEIZO KK (DNIS   )
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 5037788   A   19930212 JP 91210147   A   19910726 199311 B

Priority Applications (No Type Date): JP 91210147 A 19910726
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 5037788   A   15 H04N-001/41

... **extracting LPW resolution image element having boundary region** using
  contouring mask **data of two** image **element, then dividing** low
  resolution   image **element to high resolution**
...Title Terms: **MASK ;**

38/3,K/9   **(Item 7 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009073925   **Image available**
WPI Acc No: 1992-201344/199225
XRAM Acc No: C92-091575
XRPX Acc No: N92-152387
  High-capacity, inexpensive mask **ROM - for program control in**
  information, systems, musical instruments, etc
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU   ); SAMSUNG ELECTRONICS
  CO (SMSU   )
Inventor: CHOI J H; SHIN C H; CHOI J; SHIN C
Number of Countries: 007 Number of Patents: 011
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 4140681	A	19920611	DE 4140681	A	19911210	199225	B
GB 2251724	A	19920715	GB 9126272	A	19911210	199229	
FR 2670316	A1	19920612	FR 9115067	A	19911205	199232	
JP 4291758	A	19921015	JP 91325753	A	19911210	199248	
US 5200355	A	19930406	US 91792590	A	19911115	199316	
KR 9306981	B	19930724	KR 9020260	A	19901210	199408	
KR 9306982	B	19930724	KR 9020261	A	19901210	199408	
US 5317534	A	19940531	US 91792590	A	19911115	199421	

```
                             US 92981488     A    19921125
GB 2251724      B    19950503  GB 9126272     A    19911210  199521
IT 1252645      B    19950619  IT 91MI3288    A    19911209  199606
DE 4140681      C2   19960725  DE 4140681     A    19911210  199634
```

Priority Applications (No Type Date): KR 9020261 A 19901210; KR 9020260 A
   19901210

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4140681	A		30	H01L-027/112	
GB 2251724	A		75	H01L-027/112	
FR 2670316	A1		61	G11C-017/08	
JP 4291758	A		18	H01L-027/112	
US 5200355	A		29	H01L-021/70	
US 5317534	A		28	G11C-011/40	Div ex application US 91792590
					Div ex patent US 5200355
DE 4140681	C2		32	H01L-027/112	
KR 9306981	B			H01L-027/112	
KR 9306982	B			H01L-027/112	
GB 2251724	B			H01L-027/112	
IT 1252645	B			H01L-000/00	

High-capacity, inexpensive mask ROM...

...Abstract (Basic): Mfr. of a **mask** ROM, comprises: 1) successive
deposition of a first conductive layer and a first insulating layer...

...conductivity type, wherein a gate oxide layer is formed on the
substrate; 2) forming a **mask** pattern for word lines in an
even-numbered or odd-numbered sequence; 3) forming a second insulating
layer arranged on the surface and sidewalls of the **mask** pattern and
on part of the surface of the first conductive layer; 4) forming a...

...on the substrate surface and etching this until the second insulating
layer disposed on the **mask** pattern is adequately exposed; and 5)
successive etching of part of the surface of the second insulating
layer and of the first conductive layer, **using** the remaining third
insulating layer as a **mask** , so that a pattern is formed of a first
conductive layer, wherein each distance corresponds...

...A **mask** ROM is also claimed, with: a) word lines extending in a first
transverse direction, and...

...logic for a microprogram in an information processing system, or in
electronic musical instruments. The **mask** ROM produced is inexpensive,
has a high storage capacity, and gives a good tone quality...

...Abstract (Equivalent): Mfr. of a **mask** ROM, comprises: (1) successive
deposition of a first conductive layer and a first insulating layer...

...conductivity type, wherein a gate oxide layer is formed on the
substrate; (2) forming a **mask** pattern for word lines in an
even-numbered or odd-numbered sequence; (3) forming a second insulating
layer arranged on the surface and sidewalls of the **mask** pattern and
on part of the surface of the first conductive layer; (4) forming a...

...on the substrate surface and etching this until the second insulating
layer disposed on the **mask** pattern is adequately exposed; and (5)
successive etching of part of the surface of the second insulating

```
File 348:EUROPEAN PATENTS 1978-2004/Dec W01
        (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20041209,UT=20041202
        (c) 2004 WIPO/Univentio

Set     Items    Description
S1      841569   DOCUMENT?? OR DATA
S2      223178   PRINT???
S3      506567   TEXT OR WORD?? OR CHARACTER??
S4      610929   IMAG? OR PICTURE?? OR PHOTO OR PHOTOGRAPH?? OR GRAPHIC? OR
                 JPEG OR BITMAP??
S5        1535   (SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?)-
                 (3N)S3(5N)S4
S6        7459   LOW()RESOLUTION?
S7       39078   HIGH()RESOLUTION?
S8      108748   MASK?
S9          26   (OPEN OR CLOSED)(3N)GRAPHICAL(3N)(FUNCTION? OR INSTRUCTION?
                 OR OPERATION??)
S10        169   AU=(MOREAU, J? OR AMARGER, S? OR MOREAU J? OR AMARGER S?)
S11      25221   IC=(B41B? OR G06K?)
S12       3884   PAGE(3N)(SEGMENT? OR SEPERAT? OR DIVID? OR PARTITION? OR S-
                 ECTION? OR CATEGOR?)
S13          3   S5(10N)S6(10N)S7
S14          1   S13 NOT AD=20000329:20041210/PR
S15          1   S5 AND S10
S16          1   S15 NOT S14
S17          0   S5(10N)S9
S18          1   S5(S)S9
S19          0   S18 NOT (S15 OR S14)
S20        327   S3(3N)S7
S21       2092   S4(3N)S6
S22        111   S21(5N)S2
S23         14   S22 AND S11
S24          0   S23(S)S12
S25          1   S23(S)S8
S26          1   S25 NOT (S15 OR S14)
S27         81   S3(5N)S4(7N)S12
S28          0   S27(10N)S8
S29          0   S27(10N)S6(S)S7
S30         13   S27 AND S11
S31         13   S30 NOT (S25 OR S15 OR S14)
S32          7   S31 NOT PY=>2001
```

00975706
IMAGE PROCESSING METHOD, IMAGE PROCESSING DEVICE, AND DATA RECORDING MEDIUM
BILDVERARBEITUNGSVERFAHREN UND VORRICHTUNG UND DATENAUFZEICHNUNGSMEDIUM
PROCEDE ET DISPOSITIF DE TRAITEMENT D'IMAGE ET SUPPORT D'ENREGISTREMENT DE
   DONNEES
PATENT ASSIGNEE:
  MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza Kadoma,
    Kadoma-shi, Osaka-fu, 571, (JP), (Applicant designated States: all)
INVENTOR:
  KADONO, Shinya, 5-15-11, Seiwadai, Kitaku, Kobe-shi, Hyogo 651-11, (JP)
LEGAL REPRESENTATIVE:
  Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
    , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 971545 A1 000112 (Basic)
                              WO 9831151 980716
APPLICATION (CC, No, Date):   EP 98900183 980109; WO 98JP40 980109
PRIORITY (CC, No, Date): JP 972659 970110
DESIGNATED STATES: DE; ES; FR; GB; IT
INTERNATIONAL PATENT CLASS: H04N-007/34; H04N-007/36
ABSTRACT WORD COUNT: 144
LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200002	1529
SPEC A	(English)	200002	18867
Total word count - document A			20396
Total word count - document B			0
Total word count - documents A + B			20396

...SPECIFICATION the first embodiment for coding the difference value
  between the interpolated image signal and the **high - resolution** image
  signal is replaced by an encoder 16b for coding a difference between
  boundaries of the image of the **low - resolution** image signal and the
  image of the **high - resolution** image signal. The other components are
  identical to those of the hierarchical **image** coding apparatus 101 of
  the first embodiment. In other **words** , a **low - resolution** coding
  section 102L in the hierarchical **image** coding apparatus 102 is
  identical to that of the first embodiment and a **high - resolution**
  coding section 102H in the hierarchical image coding apparatus 102
  differs only in the encoder...
?

16/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01335555
**Method and device for processing a document available in the form of a set
     of digital data**
**Verfahren   und Vorrichtung zum Verarbeiten eines Dokumentes der als
     digitales Datenset zuganglich ist**
**Procede et appareil pour le traitement d'un document disponible sous la
     forme d'un ensemble de donnees numeriques**
PATENT ASSIGNEE:
  Canon Research Centre France S.A., (2159160), rue de la Touche-Lambert,
     35517 Cesson-Sevigne Cedex, (FR), (Applicant designated States: all)
INVENTOR:
     Moreau, Jean-Jacques , 91b, rue de Dinan, 35000 Rennes, (FR)
     Amarger, Stephane , 47b, rue Martial Boudet, 92370 Chaville, (FR
LEGAL REPRESENTATIVE:
  Rinuy, Santarelli (100892), 14, avenue de la Grande Armee, B.P. 237,
     75822 Paris Cedex 17, (FR)
PATENT (CC, No, Kind, Date): EP 1139276 A1 011004 (Basic)
APPLICATION (CC, No, Date):   EP 2001400762 010323;
PRIORITY (CC, No, Date): FR 003968 000329
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06K-015/02
ABSTRACT WORD COUNT: 77
NOTE:
  Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS A   (English)   200140   1979
     SPEC A   (English)   200140   8125
Total word count - document A   10104
Total word count - document B   0
Total word count - documents A + B   10104

INVENTOR:
  Moreau, Jean-Jacques ...

...FR)
  Amarger, Stephane ...

...SPECIFICATION whilst the high-resolution processing unit 8' is
  associated with means 9' of masking the **graphical** instructions in the
  first **category** . In other **words** , all the **graphical** instructions are
  transmitted by the low-resolution processing unit 8 but those which have
  been...

...CLAIMS mode (E353), and in that it also consists of classifying at least
     one of said **text** functions in said first **category** and functions
     representing **images** in bitmap mode in said second category.
  5. Method according to Claim 4, characterised in...
?

01167239   **Image available**
SENSING DEVICE FOR CODED DATA
DISPOSITIF DE DETECTION POUR DONNEES CODEES
Patent Applicant/Assignee:
  SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
    Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
    states except: US)
  YOURLO Zhenya Alexander, Silverbrook Research Pty Ltd, 393 Darling
    Street, Balmain, New South Wales 2041, AU, AU (Residence), AU
    (Nationality), (For all designated states except: US)
  RIDLEY Nicholas Damon, Silverbrook Research Pty Ltd, 393 Darling Street,
    Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
    (For all designated states except: US)
Patent Applicant/Inventor:
  SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street,
    Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
    (Designated only for: US)
  LAPSTUN Paul, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain,
    New South Wales 2041, AU, AU (Residence), NO (Nationality), (Designated
    only for: US)
  HENDERSON Peter Charles Boyd, Silverbrook Research Pty Ltd, 393 Darling
    Street, Balmain, New South Wales 2041, AU, AU (Residence), AU
    (Nationality), (Designated only for: US)
  RUSMAN Jan, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain,
    New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated
    only for: US)
  MOINI Alireza, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain,
    New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated
    only for: US)
  UNDERWOOD Matthew John, Silverbrook Research Pty Ltd, 393 Darling Street,
    Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
    (Designated only for: US)
Legal Representative:
  SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling
    Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200490798 A1 20041021 (WO 0490798)
  Application: WO 2004AU400 20040402   (PCT/WO AU04000400)
  Priority Application: AU 2003901617 20030407; AU 2003901795 20030415
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 98184

Fulltext Availability:
  Detailed Description

Detailed Description
... on the status of the corresponding form instance, including who
   published it, when it was **printed** , for whom it was **printed** , and the
   form status of the form instance.

   Since a form hyperlink instance contains a...
...accompanied by a standard graphic indicating successful signature
   verification.

   A duplicate document command produces a **printed** copy of the
   corresponding document instance with background field values preserved.
   If the document contains...
?

DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00546953
Method and apparatus for converting bitmap image documents to editable coded data using a standard notation to record document recognition ambiguities
Verfahren und Vorrichtung zur Dokumenterkennung mit Normnotierung fur Mehrdeutigkeitenspeicherung
Procede et appareil de reconnaissance de documents avec notation standard pour stocker des ambiquites
PATENT ASSIGNEE:
 XEROX CORPORATION, (219783), Xerox Square, Rochester, New York 14644, (US), (Proprietor designated states: all)
INVENTOR:
 De La Beaujardiere, Jean-Marie R., 867 Garland Drive, Palo Alto, California 94303, (US)
LEGAL REPRESENTATIVE:
 Skone James, Robert Edmund et al (50281), GILL JENNINGS & EVERY Broadgate House 7 Eldon Street, London EC2M 7LH, (GB)
PATENT (CC, No, Kind, Date): EP 549329 A2 930630 (Basic) .
                             EP 549329 A3 940420
                             EP 549329 B1 000315
APPLICATION (CC, No, Date): EP 92311711 921222;
PRIORITY (CC, No, Date): US 814347 911227
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06K-009/20**
ABSTRACT WORD COUNT: 128
NOTE:
 Figure number on first page: 20

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200011	1067
CLAIMS B	(German)	200011	985
CLAIMS B	(French)	200011	1418
SPEC B	(English)	200011	6978
Total word count – document A			0
Total word count – document B			10448
Total word count – documents A + B			10448

INTERNATIONAL PATENT CLASS: **G06K-009/20**

...SPECIFICATION bitmaps into structured components, through successive and recursive interventions of various processes. These processes include: **page segmentation** , **character** recognition, **graphics** recognition, logical structure reconstruction, spelling correction, semantic analysis, etc. All these processes are prone to...

DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00542509
Image processing

Bildverarbeitung
Traitement d'image
PATENT ASSIGNEE:
  XEROX CORPORATION, (219783), Xerox Square, Rochester, New York 14644,
    (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Huttenlocher, Daniel P., 314 Comstock Road, Ithaca, NY 14850, (US)
LEGAL REPRESENTATIVE:
  Johnson, Reginald George et al (32372), Rank Xerox Ltd Patent Department
    Parkway, Marlow Buckinghamshire SL7 1YL, (GB)
PATENT (CC, No, Kind, Date):   EP 526196 A2   930203 (Basic)
                               EP 526196 A3   940323
                               EP 526196 B1   980520
APPLICATION (CC, No, Date):   EP 92306948 920730;
PRIORITY (CC, No, Date): US 737955 910730
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06K-009/34 ; G06K-009/50** ; G06T-007/60
ABSTRACT WORD COUNT: 254
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9821	354
CLAIMS B	(German)	9821	365
CLAIMS B	(French)	9821	427
SPEC B	(English)	9821	5278
Total word count - document A			0
Total word count - document B			6424
Total word count - documents A + B			6424

INTERNATIONAL PATENT CLASS: **G06K-009/34** ...

... **G06K-009/50**

...SPECIFICATION sizes and spacings, use optical character recognition
techniques to identify characters in the document. The **character** and
stroke sizes and spacings can be used for **page segmentation** to
improve **character** recognition. **Image** processing system 404 might also
apply techniques to produce data defining a modified image. For...

 32/3,K/3   (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00539262
Output method and apparatus employing the same
Ausgabeverfahren und Vorrichtung, die dieses verwendet
Methode de sortie et appareil l'utilisant
PATENT ASSIGNEE:
  CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,
    Tokyo, (JP), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
  Takahashi, Hiroharu; c/o Canon Kabushiki Kaisha, 3-30-2, Shimomaruko,
    Ohta-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
  Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick
    Court High Holborn, London WC1R 5DJ, (GB)
PATENT (CC, No, Kind, Date):   EP 510924 A2   921028 (Basic)

```
                            EP  510924   A3   930331
                            EP  510924   B1   980923
APPLICATION (CC, No, Date):   EP 92303575 920422;
PRIORITY (CC, No, Date): JP 9192306 910423
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS:  G06K-015/02
ABSTRACT WORD COUNT: 82
```

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9839	596
CLAIMS B	(German)	9839	532
CLAIMS B	(French)	9839	656
SPEC B	(English)	9839	2630
Total word count – document A			0
Total word count – document B			4414
Total word count – documents A + B			4414

INTERNATIONAL PATENT CLASS: G06K-015/02

32/3,K/4   (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00519366
Method and apparatus for preventing print overruns
Verfahren und Vorrichtung zur Vermeidung von Übergeschwindigkeiten beim
      Ausdruck
Methode et dispositif pour eviter les survitesses d'impression
PATENT ASSIGNEE:
   Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
      California 94304, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
   Cuzzo, Clint S.,, 2589 N. Peregrine Place#, Boise, Idaho 83702, (US)
   Berge, Thomas G.,, 5095 Wildrye Drive#, Boise, Idaho 83703, (US)
LEGAL REPRESENTATIVE:
   Baillie, Iain Cameron et al (27951), c/o Ladas & Parry Altheimer Eck 2,
      80331 Munchen, (DE)
```
PATENT (CC, No, Kind, Date):   EP 513775  A2  921119 (Basic)
                               EP 513775  A3  930428
                               EP 513775  B1  970102
APPLICATION (CC, No, Date):   EP 92108107 920513;
PRIORITY (CC, No, Date): US 701235 910516
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS:  G06K-015/00
ABSTRACT WORD COUNT: 188
```

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	682
CLAIMS B	(English)	EPAB97	994
CLAIMS B	(German)	EPAB97	1005
CLAIMS B	(French)	EPAB97	1262
SPEC A	(English)	EPABF1	3283
SPEC B	(English)	EPAB97	3277
Total word count – document A			3965

Total word count - document B   6538
Total word count - documents A + B   10503

INTERNATIONAL PATENT CLASS: **G06K-015/00**

...ABSTRACT A2
   A page printer is described which **divides** each **page** of **text** ,
graphics , etc. into lateral page strips, each having an allocated page
strip rasterization time (PSRT) based...

...SPECIFICATION page per minute print rate.
   SUMMARY OF THE INVENTION
   A page printer is described which **divides** each **page** of **text** ,
graphics , etc. into lateral page strips, each having an allocated page
strip rasterization time (PSRT) based...

...SPECIFICATION page per minute print rate.

   SUMMARY OF THE INVENTION
   A page printer is described which **divides** each **page** of **text** ,
graphics , etc. into lateral page strips, each having an allocated page
strip rasterization time PSRT based...

 32/3,K/5   (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00362425
Apparatus and method for use in image processing.
Gerat und Verfahren zur Anwendung bei der Bildverarbeitung.
Appareil et methode pour utilisation dans le traitement d'image.
PATENT ASSIGNEE:
   Hewlett Packard Ltd, (848070), Nine Mile Ride, Wokingham, Berkshire RG11
      3LL, (GB), (applicant designated states: AT;DE;ES;FR;GB;IT)
INVENTOR: .
   Smith, Raymond Wensley, 17 The Crunnis, Bradley Stoke, Bristol BS12 8AD,
      (GB)
   Robson, Christopher John, 27 Long Close Downend, Bristol BS16 2UF, (GB)
LEGAL REPRESENTATIVE:
   Smith, Norman Ian et al (36041), F.J. CLEVELAND & COMPANY 40-43 Chancery
      Lane, London WC2A 1JQ, (GB)
PATENT (CC, No, Kind, Date): EP 385009 A1 900905 (Basic)
APPLICATION (CC, No, Date):   EP 89302122 890303;
PRIORITY (CC, No, Date): EP 89302122 890303
DESIGNATED STATES: AT; DE; ES; FR; GB; IT
INTERNATIONAL PATENT CLASS: **G06K-009/48** ; G06F-015/62
ABSTRACT WORD COUNT: 103
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) EPABF1   1862
      SPEC A   (English) EPABF1   15152
Total word count - document A   17014
Total word count - document B   0
Total word count - documents A + B 17014

INTERNATIONAL PATENT CLASS: **G06K-009/48** ...

...ABSTRACT a final classification stage (16) for providing data in an appropriate format representative of the **characters** in the **image** . Also disclosed are a novel edge extractor, a novel **page** **segmentation** facility and a novel feature extraction facility.   ...

32/3,K/6   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00358788   **Image available**
CHARACTER RECOGNITION SYSTEM IDENTIFICATION OF SCANNED AND REAL TIME HANDWRITTEN CHARACTERS
IDENTIFICATION DE SYSTEME DE RECONNAISSANCE DE CARACTERES MANUSCRITS EN TEMPS REEL ET SCANNES
Patent Applicant/Assignee:
  WANG LABORATORIES INC,
Inventor(s):
  KADASHEVICK Julie A,
  HARVEY Mary F,
  KNOWLTON Kenneth C,
  JOURJINE Alexander,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9641302 A1 19961219
  Application: WO 96US4151 19960327 (PCT/WO US9604151)
  Priority Application: US 95484630 19950607
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
  AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 35512

Main International Patent Class: **G06K-009/46**
International Patent Class: **G06K-09:72**
Fulltext Availability:
  Detailed Description

Detailed Description
... proportion of background space

  As described, Scanned Character Image (SCI) 38 may comprise a scanned **image** of a page or a portion of a **page** and **segmentation** may be performed upon an entire Scanned **Character** **Image** (SCI) 38 or upon a portion of the image data in a Scanned Character Image...

32/3,K/7   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00350212   **Image available**
COLOR OFFICE PRINTER WITH A HIGH CAPACITY DIGITAL PAGE IMAGE STORE
IMPRIMANTE COULEUR DE BUREAU AYANT UN STOCKAGE D'IMAGE DE PAGE NUMERIQUE D'UNE GRANDE CAPACITE
Patent Applicant/Assignee:
  EASTMAN KODAK COMPANY,

Detailed Description
... more application programs. There are many application programs in
  common use, which fall into several **categories** , such as **page** layout
  programs, drawing programs, **word** processing programs, database
  programs,
  spreadsheet program , CAD programs, **image** processing programs, and so
  on, most of which have differing internal representations (native
  formats) of...
?

```
File    9:Business & Industry(R)  Jul/1994-2004/Dec 09
           (c) 2004   The Gale Group
File   15:ABI/Inform(R) 1971-2004/Dec 10
           (c) 2004 ProQuest Info&Learning
File   16:Gale Group PROMT(R) 1990-2004/Dec 10
           (c) 2004 The Gale Group
File   20:Dialog Global Reporter 1997-2004/Dec 10
           (c) 2004 The Dialog Corp.
File   47:Gale Group Magazine DB(TM) 1959-2004/Dec 10
           (c) 2004 The Gale group
File   75:TGG Management Contents(R) 86-2004/Nov W3
           (c) 2004 The Gale Group
File   80:TGG Aerospace/Def.Mkts(R) 1982-2004/Dec 10
           (c) 2004 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2004/Dec 08
           (c) 2004 The Gale Group
File   98:General Sci Abs/Full-Text 1984-2004/Sep
           (c) 2004 The HW Wilson Co.
File  112:UBM Industry News 1998-2004/Jan 27
           (c) 2004 United Business Media
File  141:Readers Guide 1983-2004/Sep
           (c) 2004 The HW Wilson Co
File  148:Gale Group Trade & Industry DB 1976-2004/Dec 10
           (c)2004 The Gale Group
File  160:Gale Group PROMT(R) 1972-1989
           (c) 1999 The Gale Group
File  275:Gale Group Computer DB(TM) 1983-2004/Dec 10
           (c) 2004 The Gale Group
File  264:DIALOG Defense Newsletters 1989-2004/Dec 09
           (c) 2004 The Dialog Corp.
File  484:Periodical Abs Plustext 1986-2004/Dec W1
           (c) 2004 ProQuest
File  553:Wilson Bus. Abs. FullText 1982-2004/Sep
           (c) 2004 The HW Wilson Co
File  570:Gale Group MARS(R) 1984-2004/Dec 10
           (c) 2004 The Gale Group
File  608:KR/T Bus.News. 1992-2004/Dec 10
           (c)2004 Knight Ridder/Tribune Bus News
File  620:EIU:Viewswire 2004/Dec 09
           (c) 2004 Economist Intelligence Unit
File  613:PR Newswire 1999-2004/Dec 08
           (c) 2004 PR Newswire Association Inc
File  621:Gale Group New Prod.Annou.(R) 1985-2004/Dec 10
           (c) 2004 The Gale Group
File  623:Business Week 1985-2004/Dec 08
           (c) 2004 The McGraw-Hill Companies Inc
File  624:McGraw-Hill Publications 1985-2004/Dec 09
           (c) 2004 McGraw-Hill Co. Inc
File  634:San Jose Mercury  Jun 1985-2004/Dec 08
           (c) 2004 San Jose Mercury News
File  635:Business Dateline(R) 1985-2004/Dec 10
           (c) 2004 ProQuest Info&Learning
File  636:Gale Group Newsletter DB(TM) 1987-2004/Dec 10
           (c) 2004 The Gale Group
File  647:CMP  Computer Fulltext 1988-2004/Nov W4
           (c) 2004 CMP Media, LLC
File  696:DIALOG Telecom. Newsletters 1995-2004/Dec 09
           (c) 2004 The Dialog Corp.
File  674:Computer News Fulltext 1989-2004/Sep W1
           (c) 2004 IDG Communications
```

```
File 810:Business Wire 1986-1999/Feb 28
        (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
        (c) 1999 PR Newswire Association Inc
File 587:Jane`s Defense&Aerospace 2004/Nov W4
        (c) 2004 Jane`s Information Group


Set     Items     Description
S1    15045802    DOCUMENT?? OR DATA
S2     3942699    PRINT???
S3     7715921    TEXT OR WORD?? OR CHARACTER??
S4    11362192    IMAG? OR PICTURE?? OR PHOTO OR PHOTOGRAPH?? OR GRAPHIC? OR
                  JPEG OR BITMAP??
S5        3883    (SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?)-
                  (3N)S3(5N)S4
S6       19056    LOW()RESOLUTION?
S7      265103    HIGH()RESOLUTION?
S8      434486    MASK?
S9         154    (OPEN OR CLOSED)(3N)GRAPHICAL(3N)(FUNCTION? OR INSTRUCTION?
                  OR OPERATION??)
S10         92    AU=(MOREAU, J? OR AMARGER, S? OR MOREAU J? OR AMARGER S?)
S11          0    IC=(B41B? OR G06K?)
S12      61813    PAGE(3N)(SEGMENT? OR SEPERAT? OR DIVID? OR PARTITION? OR S-
                  ECTION? OR CATEGOR?)
S13          4    S5(S)S6(S)S7
S14          3    RD S13 (unique items)
S15        127    S3(5N)S7(10N)S4(3N)S6
S16          0    S15(S)S8
S17         35    S15(S)S2
S18          0    S17(S)S9
S19          0    S17(S)S12
S20         32    S17 NOT PY=>2001
S21         17    RD S20 (unique items)
S22          0    S10 AND S5
S23         13    CANON(S)S5
S24          4    S23(S)S2
S25          4    S24 NOT S21
S26          2    RD S25 (unique items)
S27          0    S15(S)S12
S28          1    S2(S)S9
S29        378    (APPLY? OR USING)(3N)S6(5N)S4
S30        134    (APPLY? OR USING)(3N)S7(3N)S3
S31          0    S29(S)S30
S32         66    (S29 OR S30)(S)S2
S33          0    S32(S)S8
S34         66    S32 NOT (S20 OR S26 OR S28 OR S14)
S35         47    S34 NOT PY=>2001
S36         28    RD S35 (unique items)
```

14/3,K/1   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1328142 Supplier Number: 01328142   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Futaba Corp.
(Futaba Corp is the world leader in vacuum fluorescent displays, generating
  $324 mil in sales in 1994)
Electronic Buyers News, n 980, p E34+
November 06, 1995
DOCUMENT TYPE: Journal ISSN: 0164-6362   (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 602

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...instrument or the device from a distance," Slupek says.

Futaba has two major display design **categories** , including dot- **character**
(5x7) and totally reconfigurable dot- **graphic** displays. The dot-character
displays are used in Futaba's **low - resolution** product applications such
as the automotive and appliance markets, while the graphics displays are
used...
...emission display market and any application that demands a
thin-packaged, low-weight, low-powered, **high - resolution** display.

The advances in VFD technology have enabled displays to operate at 12 volts
compared...

14/3,K/2   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02448140   SUPPLIER NUMBER: 02904093   (USE FORMAT 7 OR 9 FOR FULL TEXT)
SpectraVideo SV-318 and SV-328. (evaluation)
Ahl, David H.
Creative Computing, v9, p16(5)
Sept, 1983
DOCUMENT TYPE: evaluation   ISSN: 0097-8140   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 3582   LINE COUNT: 00269

   ...   t find it except n the graphics modes.
     There are two graphics modes, low- and **high - resolution** ,
appropriately enough. **High - resolution** provides 256 x 192 pixels; **low -
resolution** has 64 x 48 boxes. In addition, you can use the graphics
characters in text mode (40 x 24). While this sounds practically useless,
bear in mind that the 52 **graphics   characters** effectively **divide** each
box into four; thus the usable resolution is more like 80 x 48. Program...

14/3,K/3   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01070374   CMP ACCESSION NUMBER: EBN19951106S0169

...   instrument or the device from a distance," Slupek says.
     Futaba has two major display design **categories** , including dot-**character** (57) and totally reconfigurable dot- **graphic** displays. The dot-character displays are used in Futaba's **low** – **resolution** product applications such as the automotive and appliance markets, while the graphics displays are used...

...emission display market and any application that demands a thin-packaged, low-weight, low-powered, **high** – **resolution** display.
     The advances in VFD technology have enabled displays to operate at 12 volts compared...
?

21/3,K/1   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

07053869   Supplier Number: 58408348   (USE FORMAT 7 FOR FULLTEXT)
Heidelberg user event brings Delta to the fore.(Industry Trend or Event)
The Seybold Report on Publishing Systems, v28, n19, p16
June 30, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 3075

...   transparency capability to Illustrator 6. Previously, the only
alternative for placing text or paths on **pictures** and having the **picture**
 partially show through the **text** was to render it in a program like
Photoshop, which required a lot of work and resulted in **low - resolution**
edges of the **text** . TransparencyFX enables transparency effects to be
created while maintaining the **high - resolution** edge of the **text** or
shape.
     * PhotoAlbum.com is a Web-based system enabling users to build,
manage and **print** **photo** albums. It uses NT servers to render photos into
high- resolution TIFF files. Color-correction...

...automatically controls the placement of images on album pages to achieve
the best fit in **printing** . It includes a payment system that handles
credit cards and uses E-mail to notify customers about the progress of
their jobs. Albums can be **printed** using any NT **printer** .
     Lucid Dream Software; www.luciddream.com.
     Best builds U.S. distribution
     Best Software, the German...

 21/3,K/2   (Item 2 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

05893591   Supplier Number: 53092701   (USE FORMAT 7 FOR FULLTEXT)
**New QMS SC-100 Digital Copier Brings Push-Button Copy Capability to QMS
  Print Systems.**
Business Wire, p0163
Oct 19, 1998
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 816

...   require pushing just one button. After making selections and
pressing the copy key, copies are **printed** on the QMS **print** system at
rated speed and on a variety of page sizes. From **low - resolution**
imaging and **text** to **high - resolution** **graphics** and design, the QMS
SC-100's variable resolutions deliver the quality you expect from QMS. For
scaled **images** , the QMS SC-100 allows users to reduce, enlarge or Auto
Zoom their documents. Customers...

 21/3,K/3   (Item 1 from file: 20)
DIALOG(R)File   20:Dialog Global Reporter

03000300   (USE FORMAT 7 OR 9 FOR FULLTEXT)
KODAK: Kodak launches web-based imaging services
M2 PRESSWIRE
October 02, 1998
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 868

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   high-resolution digital files on compact disc (CD) or hard copy
output including digital photographic **prints** , contact **prints** and
transparencies. Initially, purchasing images will require interaction with
a customer service agent, but secured...

 21/3,K/4   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03617963   SUPPLIER NUMBER: 11226195   (USE FORMAT 7 OR 9 FOR FULL TEXT)
How it works: the ins and outs of scalable font technology. (tutorial)
Mendelson, Edward
PC Magazine, v10, n16, p126(1)
Sept 24, 1991
DOCUMENT TYPE: tutorial   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 802   LINE COUNT: 00061

     Suppose you need to **print** or display a particular instance of a
character (say, a 7-point Times Roman N). The rasterizer in your **printer**
(or in software such as Adobe Type Manager) overlays the character outline
on top of an imaginary grid that corresponds to the **printer** 's or
monitor's pixel grid, and turns on the pixels that fall within the outline
to create a character bitmap. Next, after moving the **imaginary** pixel grid
slightly until it is aligned with the actual pixel grid, the rasterizer
"drops" the **character** onto the page.
     The whole process sounds straightforward; on a **high - resolution**
printer or typesetter, it is. But **low - resolution** desktop **printers**
have too few pixels for the **bitmap** to approximate a close outline. Any
pixel fully enclosed by the outline will be turned...

 21/3,K/5   (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03090043   SUPPLIER NUMBER: 06745125   (USE FORMAT 7 OR 9 FOR FULL TEXT)
GammaFax. (Hardware Review) (one of ten evaluations of facsimile
  transmission add-in boards for PCs) (evaluation)
Kendall, Rob
PC Magazine, v7, n12, p190(3)
June 28, 1988
DOCUMENT TYPE: evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 920   LINE COUNT: 00069

...   you view any fax format file, zoom in or out on it, and rotate it.
Text in a **high - resolution** file is very readable on screen, but complex

graphics or **low - resolution** text must be zoomed in on before they
become clear. You can also **print** fax format files, which are easy and
produce good results but tend to be very slow: it took us 8-1/2 minutes to
print 1-1/2 pages of text with a logo in high-res mode.
GammaFax's...

21/3,K/6   (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03018633   SUPPLIER NUMBER: 06126506   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Glossary of desktop publishing terms. (glossary)
Burns, Diane; Venit, S.
PC Magazine, v6, n17, p96(2)
Oct 13, 1987
DOCUMENT TYPE: glossary   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 1403   LINE COUNT: 00112

...   some systems.
RESOLUTION
The number of dots per inch (dpi) used to represent an alphanumeric
character or a **graphic** image . **High - resolution** images look
smoother and have more dots per inch than do **low - resolution** images .
The resolution of **images** displayed on the screen is usually lower than
that of the final laser **printout** . Laser **printers** **print** 300 dpi or
more, typesetters **print** 1,200 dpi or more.
ROMAN
Upright (nonslanted) text styles,

21/3,K/7   (Item 4 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02431575   SUPPLIER NUMBER: 00511017
Atari Chartmaker.
Halfhill, T.R.
Compute, v5, n12, p330
Dec., 1983
ISSN: 0194-357X   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

...ABSTRACT: Atari computers with at least 16K RAM. It is written in
BASIC, and uses the **GRAPHICS** 8 mode to construct **high resolution**
graph line charts. It also allows **printing low resolution text**
anywhere inside the **GRAPHiCS** 8 window. Demonstration printouts and a
complete program listing are included.

21/3,K/8   (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

04889422   SUPPLIER NUMBER: 21072120
**An examination of five statistical software packages for epidemiology.
  (Software Review) (Evaluation)**
Oster, Robert A.

The American Statistician, v52, n3, p267(14)
August, 1998
DOCUMENT TYPE: Evaluation   ISSN: 0003-1305   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 12927   LINE COUNT: 01076

...   of a survival analysis), and diagnostic plots for logistic
regression. These plots and curves are **low - resolution   character**
graphs. EPICURE can write the data to an external file; **high - resolution**
plots could then be obtained by using another **graphics** package.
        8.3 EPILOG PLUS
        The statistical **graphics** capabilities of EPILOG PLUS are limited by
the number of graphs that can be produced...

...The graphs are of good quality, but are not quite presentation quality
using a laser **printer** ; however, presentation-quality graphs may be
obtained by using a plotter.
        EPILOG PLUS can also...

 21/3,K/9   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08323665   SUPPLIER NUMBER: 17840522   (USE FORMAT 7 OR 9 FOR FULL TEXT)
HP leads effort to develop HTML printing standards.(Microsoft Corp,
  Netscape Communications Corp to work with HP on open standard for
  printing Web pages) (Technology Information)(Brief Article)
Balleisen, Kristin
MacWEEK, v9, n48, p4(1)
Dec 11, 1995
DOCUMENT TYPE: Brief Article   ISSN: 0892-8118   LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 224   LINE COUNT: 00021

...   than the current standard of printing the entire page; faster and
better quality printing of **text ,   photographs** and **graphics ;** and a
scheme to correct formatting problems when **printing   low - resolution**
images on **high - resolution** devices.
        Palo Alto, Calif.-based HP is reportedly also talking to commercial
service providers America...

 21/3,K/10   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07288544   SUPPLIER NUMBER: 15500753   (USE FORMAT 7 OR 9 FOR FULL TEXT)
New print technologies shrink production cycles. (Direct Marketing: Are We
  Ready for the Next Millenium?)
Egol, Len
Direct, v6, n6, pS17(2)
June, 1994
ISSN: 1046-4174   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1381   LINE COUNT: 00109

...   the beginning of this decade, customers using computerized
publishing systems were limited to transmitting only **text** and **low -**

resolution files over conventional phone lines. Much larger four-color **high - resolution** .image files had to be shipped on disks by overnight delivery to pringting plants. This was an added expense, slowed down production and limited the **printing** plant's flexibility. But to have sent such heavy concentrations of digital data by modem...

 21/3,K/11   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02018652   SUPPLIER NUMBER: 18957706   (USE FORMAT 7 OR 9 FOR FULL TEXT)
IFRA, part II: European newspaper systems, image input and archiving.
   (includes related articles on 4-Sight's ADS System 5.0, international
   news available on PressPoint's network, and newspapers on the Internet)
   (Industry Trend or Event)
Tribute, Andrew; Joner, Urban; Rossello, Rosanne; Edwards, Stephen E.
Seybold Report on Publishing Systems, v26, n6, p3(27)
Nov 30, 1996
ISSN: 0736-7260   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 20741   LINE COUNT: 01601   .

...   process and will inform the user if the selected size exceeds the image resolution. The **Image** Status window indicates whether the **images** in the document are ready for **printing** or are being separated. Upon **printing** , the **low - resolution** **images** in the page layout will be substituted with their **high - resolution** counterparts.
      ImageDepot now supports the storage of **text** files along with images. Using ImageRetriever as a sort of editorial front-end system, the
...

 21/3,K/12   (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01600233   SUPPLIER NUMBER: 13875649   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Speed without sacrifice. (Comparative Analysis: Printer
   Performance)(Buyer's Guide: High-Res Laser Printers)
Poor, Alfred
PC Sources, v4, n6, p182(2)
June, 1993
ISSN: 1052-6579   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 649   LINE COUNT: 00049

ABSTRACT: Output performance of eight laser **printers** evaluated is compared. Kyocera Electronics Inc's Ecosys FS-1500A is the fastest **printer** in PostScript mode using its 10-ppm **print** engine; test results in PCL mode were similar but with less difference between the **printers** . Distinct performance differences accompany changes in resolution; the Xante is 1.4 times faster in **text** **printing** in **low** **resolution** than in **high - resolution** mode. Even a small difference in **graphics** **printing** speed can translate into a full minute per page, making the choice of a fast **printer** exceedingly important.

 21/3,K/13   (Item 3 from file: 275)

01467399   SUPPLIER NUMBER: 11888785   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Seminars '91, part II: information management, color, newspapers. (includes
   related articles on book publishers automating, PostScript color
   screening, the prepress industry in 1995 and font usage in PostScript)
   (Cover Story)**
Seybold Report on Publishing Systems, v20, n15, p3(41)
April 29, 1991
DOCUMENT TYPE: Cover Story   ISSN: 0736-7260   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 32643   LINE COUNT: 02553

...   enabling Macs to access the same picture database as PCs for
building illustrated and picture- **intensive** publications such as real
estate magazines, car and boat publications, and catalogs. Mac applicatons
can exchange low- and high- **resolution   images   via** Quark's DCS
specifications. Low- **resolution   images   can** be used to build text **and**
image **pages** . During output, PCN swaps high-res or separated color EPS
files for the low-res images as part of a batch printing **routine** .
      Other enhancements have been added, such as the ability to capture
data remotely for inclusion...

 21/3,K/14   (Item 1 from file: 621)

01038727   Supplier Number: 40026623   (USE FORMAT 7 FOR FULLTEXT)
PENTA ANNOUNCES SUPPORT TEGRA GRAPHICS
PR Newswire, pN/A
April 14, 1987
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 419

...   plain paper as well as on photographic media,"
    explained Doug Mintz, Penta's Manager of **Graphics** and Communications
    Product Development.

    "The Tegra interface complements our existing options for **low** –
    resolution   text and **graphics** output to laser **printers**
 and the Allied
    Linotron 202 and **high** – **resolution   text** and **graphics**
 output on laserand
    phototypesetters supporting PostScript."

    According to Tegra, Inc., the resolution for both **graphics** and type
    from the Genesis is 1000 dots per inch on plain paper and 2000...

 21/3,K/15   (Item 2 from file: 621)

01036056   Supplier Number: 39998830   (USE FORMAT 7 FOR FULLTEXT)
Fancy Word Version 3 Brings High-Quality Graphics to Microsoft Word

PR Newswire, pN/A
March 18, 1987
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 600

...   Toshiba, and compatible dot matrix printers. It also works with
     Hewlett-Packard and Canon Laser **printers** . To **printers** with **low**
     resolution native fonts such as the Epson FX80, Fancy **Word**
 brings the
     advantage of superior **print** quality by using their **high** -
resolution
       graphics modes. To all **printers** , including those with good quality
     native fonts such as the Toshiba, Epson LQ1500 and laser...

 21/3,K/16   (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01015233   Supplier Number: 39632669   (USE FORMAT 7 FOR FULLTEXT)
Fancy Word Taps Powerful Printing Features of Microsoft Word
PR Newswire, pN/A
Nov 18, 1985
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 392

...   Toshiba and
     compatible dot matrix printers. It also works with Hewlett-Packard
     and Canon laser **printers** . To **printers** with **low** - **resolution**
 native
     fonts such as the Epson FX80, Fancy **Word** brings the advantage of
     superior **printing** quality by using their very **high** - **resolution**
      graphics modes. To all **printers** including those with good-quality
     native fonts such as Toshiba, LQ1500 and laser printers, Fancy...

 21/3,K/17   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

00631799   CMP ACCESSION NUMBER: EBN19890109S4600
New Products (632) .
ELECTRONIC BUYERS' NEWS, 1989, n 632, 50
PUBLICATION DATE: 890109
JOURNAL CODE: EBN   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: 632PG50
WORD COUNT: 5053

...   available with an optional Graphics Adaptor Processor.
     The C.Itoh CI-400/800TX/CX Powerline **printers** come standard with
compressed, boldface, slanting, underlining and enlarged **printing**
capabilities. The standard character set includes ASCII, international
math/scientific, engineering, block **graphics** and line-drawing
characters .
     Business, scientific and industrial **graphics** are **printed** from a

low   resolution of 60 72 dpi to a **high   resolution** of 200 288 dpi.
     Other options include pedestal and paper basket, quietized cover,
enclosed cabinet...
?

26/3,K/1   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03018288   SUPPLIER NUMBER: 05241965   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Canon IX-12 Image Scanner. (Hardware Review) (one of 32 scanner evaluations
  in 'Scanners Take Off') (evaluation)**
Fersko-Weiss, Henry
PC Magazine, v6, n17, p230(2)
Oct 13, 1987
DOCUMENT TYPE: evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 844   LINE COUNT: 00060

...ABSTRACT: straightforward. ReadRight software ($595) for optical
character reading includes a frame menu to scan only **text** in a **section**
of a document with **graphics** and **text** . No scanned documents prove to be
error-free; some are completely scrambled into, random symbols. Trouble is
greatest with text from 9-pin dot matrix **printers** in draft mode. Further
difficulties are encountered with underlining, lined borders, and fonts not
among...

 26/3,K/2   (Item 1 from file: 553)
DIALOG(R)File 553:Wilson Bus. Abs. FullText
(c) 2004 The HW Wilson Co. All rts. reserv.

04540136   H.W.   WILSON   RECORD   NUMBER: BWBA01040136   (USE FORMAT 7 FOR
FULLTEXT)
Working the floor.
AUGMENTED TITLE: BookExpo America 2001
Tardiff, Jill A
Landrigan, Linda; Niernberger, John
Publishers Weekly v. 248 no19 (May 7 2001) p. 125-215
LANGUAGE: English
WORD COUNT: 76703

  (USE FORMAT 7 FOR FULLTEXT)

TEXT:
...   Offers text, technical and medical remainders. Booth: 2854.

    ADAMS MEDIA CORPORATION
Publishes nonfiction in various **categories** . Featured: A Cup of Comfort by
Colleen Sell; Everything series, including Everything Mini and Everything
...manga titles. Booth: 4433.

    TOPICS ENTERTAINMENT
Booth: 1762.

    TOPPAN INTERNATIONAL GROUP
TIG is an international **printing** and information-processing company
offering services in **printing** and software development, translation and
co-production projects on illustrated and children's books; subsidiaries...
?

28/3,K/1   (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

27199649 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Enterprise Week - Linux update aligns Samba to cut costs.
IT WEEK, p17
January 27, 2003
JOURNAL CODE: WVNU   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 245

     ...user interface.
     Samba is an open-source functional equivalent to Microsoft's Windows
file-and- **printer** sharing software. Businesses can save money on Windows
licences by replacing Windows file and **print** servers with Linux systems
running Samba, and can also make savings on server hardware because...
?

36/3,K/1   (Item 1 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01527256 01-78244
Safeguard your art
Long, Ben
Macworld v14n11 PP: 145-148 Nov 1997
ISSN: 0741-8647 JRNL CODE: MAW
WORD COUNT: 2161

...TEXT: their profits eaten up in legal hassles will generally tread
carefully around copyright issues anyway.

 Using   visible, low-tech watermarking and down-sampling **images** to **low**
 resolution   (which is inevitable when you place **images** on the Web) are
both good basic methods for deterring users from pirating images and then
 printing   them. However, there's nothing to prevent unscrupulous users
from cropping or touching out a...

 36/3,K/2   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02147530   Supplier Number: 42789609   (USE FORMAT 7 FOR FULLTEXT)
Miniprinters for smaller van recorders
Frozen and Chilled Foods, p36
March, 1992
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 255

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...or storage units. It uses a touchscreen to provide very detailed data,
which can be **printed** either on demand, at fixed time periods or in
response to a condition alarm. The **printout** may include **text** and
graphics, **using** a **high**   **resolution** Panasonic thermal **printer** from
Datac. The Woodley 128 is a compact, lower cost version for smaller sites
of up to 128 points, but retains the benefit of a text and graphics
printout , using an Epson thermal **printer** .

 36/3,K/3   (Item 1 from file: 20)
DIALOG(R)File   20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

11726441   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Art online
LESLIE KRAFT-BURKE
ABERDEEN PRESS & JOURNAL (UK) , Aberdeen Press and Journal (NO) ed, p10
June 28, 2000
JOURNAL CODE: FABP   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 99

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   Its offerings include abstracts, landscapes, figures and flowers, produced using traditional processes such as screen- **printing** , etching, woodcut and lithography.
     Orders can be placed via a secure server, by phone or...

 36/3,K/4   (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04753049 (USE FORMAT 7 OR 9 FOR FULLTEXT)
KODAK: Volume image users will save serious money with this Kodak technology
M2 PRESSWIRE
March 24, 1999
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 840

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   and then apply saved adjustments to high resolution images for use in pre press; and **print** applications. Completely Kodak colour managed, no other image database solution offers this combination of quality...

 36/3,K/5   (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04740147 (USE FORMAT 7 OR 9 FOR FULLTEXT)
High-end Epson printers are here
 SECTION TITLE: ADVERTISING
2
CHRISTCHURCH PRESS, p21
March 23, 1999
JOURNAL CODE: WTCP   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 271

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   without compromising print speeds."
    The printer driver features Epson's PhotoEnhance 3 software to sharpen **images**   and enhance colour. **Low - resolution images** can be downloaded from the Internet and adjusted **using** this software.
     .Also included is an image-correction function that removes "noise" from digital camera...

 36/3,K/6   (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04714708 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Compaq Goes All-In-One With New A900 For Printing, Faxing, Color Copying and Scanning
BUSINESS WIRE
March 22, 1999
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT

WORD COUNT: 975

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...   A900 makes high-quality scans easy to produce.
      Compaq A900 Offers Fast Printing, Laser-Sharp **Text** and **High Resolution**
         Using the fastest **printer** technology available in this price
category, the Compaq A900 **prints** with laser-sharp text and provides rich
vibrant color at a high resolution (up to...

 36/3,K/7   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03387371   SUPPLIER NUMBER: 08294084   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Color on the page. (guide to color printers for the Macintosh)(includes
   related article on video printers, how color printers work, future of
   color printing, which models are best quality - Part of 'Color: .
   techniques and technologies' series) (buyers guide)
Robinson, Phillip
MacUser, v6, n5, pS56(14)
May, 1990
DOCUMENT TYPE: buyers guide   ISSN: 0884-0997   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4391   LINE COUNT: 00333

...   G370-10 printers.
      ·The most important factor in text quality turned out to be the
printer 's resolution (see Figure 6). Because dithering trades resolution
for millions of colors, text is sharpest when **printed** in one of the four
primaries. As might be expected, the three 300-dpi PostScript **printers** --
·Phaser, QMS, and Oce--produced crisp **text** . **High - resolution** QuickDraw
printers using Freedom of Press **printed** **text** of equal caliber, but
the 180-dpi PaintJets and Sharp JX-730 showed noticeable jaggies...

 36/3,K/8   (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03088079   SUPPLIER NUMBER: 06706249   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Putting scanners to work for you. (includes a related article on
   improvements in the accuracy of Optical Character Readers)
O'Malley, Christopher
Personal Computing, v12, n6, p114(6)
June, 1988
ISSN: 0192-5490   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2770   LINE COUNT: 00209

...   as a part of the publication file. At the same time, PageMaker
links the original **image** file (at full resolution) to that publication
file. (**Using** a **low - resolution** version of the **image** on the screen
and in the publication file keeps response times faster and file sizes
smaller.) And PageMaker's link to the original image, which it taps
whenever you **print** the document, ensures that any changes you might have
made to the image since you last **printed** it out

36/3,K/9   (Item 3 from file: 47)

02879123   SUPPLIER NUMBER: 04332553   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Desktop publishing may be the next PC revolution. (electronic publishing)
Pallatto, John
PC Week, v3, p42(2)
Aug 12, 1986
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1374   LINE COUNT: 00113

...   s Macintosh. Software packages developed for the Macintosh allowed
users to create entire pages with **text** and graphics. Users could **apply**
the **high – resolution** graphics capabilities of the Macintosh to create
entire pages on screen, move graphics around the page and revise the design
before **printing** the finished page on a laser **printer** .
     Since January, however, a flurry of publishing-related products have
been introduced for the IBM...

36/3,K/10   (Item 4 from file: 47)

02814272   SUPPLIER NUMBER: 00660518   (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Business of Words: Scientific: Volkswriter Scientific 1.0.
Stone, M. David
PC Magazine, v5, n4, p195-196
Feb. 25, 1986
DOCUMENT TYPE: evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1028   LINE COUNT: 00076

...   few word processors that ignores the standard ROM-based text fonts
at both screen and **printer** . Instead, it creates its own **text** font by
using the IBM **high – resolution** graphics on-screen and graphics mode at
the **printer** . It's also the first word processor I've seen that offers
manual control over...

36/3,K/11   (Item 5 from file: 47)

02809773   SUPPLIER NUMBER: 04145013   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Volkswriter Scientific 1.0. (evaluation)
Stone, M. David
PC Magazine, v5, p195(3)
Feb 25, 1986
DOCUMENT TYPE: evaluation   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1028   LINE COUNT: 00076

...   few word processors that ignores the standard ROM-based text fonts
at both screen and **printer** . Instead, it creates its own **text** font by
using the IBM **high – resolution** graphics on-screen and graphics mode at

the **printer** . It's also the first word processor I've seen that offers manual control over...

 36/3,K/12   **(Item 6 from file: 47)**
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02797843   SUPPLIER NUMBER: 00659942
Double Hi-Res Characters.
Ono, Kenneth
Nibble, v2, n7, p98-106
February, 1986
ISSN: 0734-3795   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: An Apple IIc or IIe with an 80-column card can **print**   **high –
resolution**   **characters**   **using** the assembly language program in this
article. The characters available include those in the DOS...

 36/3,K/13   **(Item 7 from file: 47)**
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02521231   SUPPLIER NUMBER: 00545500   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Building Financial Models: VENTURE and PLAN 80.
Poor, A.
PC Magazine, v3, n8, p153-162
May 1, 1984
DOCUMENT TYPE: evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3218   LINE COUNT: 00241

...   choose. You can also call up a menu of options that covers the
display and **print** formats, recalculating, **printing** the model (on the
printer or on a disk), and the graphics mode. A PLAN80 **printout** is shown
in Figure 2. The graphics mode allows you to create a graphic model of the
data **using** standard typed **characters** (not **high – resolution** graphs,
unlike some of the newer integrated spreadsheet packages).
     The most powerful feature of PLAN80...

 36/3,K/14   **(Item 1 from file: 112)**
DIALOG(R)File 112:UBM Industry News
(c) 2004 United Business Media. All rts. reserv.

01180824 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Accurate applicator
What's new in Industry , p 38
February, 1999
LANGUAGE: English RECORD TYPE: Fulltext DOC. TYPE: Journal
WORD COUNT: 00000036

  (USE FORMAT 7 OR 9 FOR FULLTEXT)
TEXT: Apollo 1 **print** and **apply** system from KTP **prints**   **high –
resolution**   **text** , graphics and bar codes on to a wide range of
labelstocks including the durable materials...

36/3,K/15   (Item 1 from file: 148)

07756448   SUPPLIER NUMBER: 16723304   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Adobe Systems Introduces Color Central 2.5 for the Macintosh/Power
  Macintosh.**
Business Wire, p03280032
March 28, 1995
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1016   LINE COUNT: 00085

...   the server, therefore freeing their machines for other work. Color
Central then automatically replaces the **low   resolution** working files
with the high resolution **images   using** the Adobe-developed OPI
specification. The Color Central program routes the files to the output...

36/3,K/16   (Item 2 from file: 148)

06775025   SUPPLIER NUMBER: 14809885   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**OPI helps unclog bottleneck for printing high-res images. (Open Prepress
  Interface file servers substitute low-resolution files in print queues;
  swap to high-resolution when ready for printing)**
Streeter, April
MacWEEK, v7, n48, p44(1)
Dec 13, 1993
ISSN: 0892-8118   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1344   LINE COUNT: 00104

...   3.0 document from an average of 40 seconds down to an average of 4,
 using the **low – resolution** sample. Times for transferring similar
images to a spooler can be reduced from 3 minutes to about 20 seconds,
Helios said...

36/3,K/17   (Item 3 from file: 148)

06679403   SUPPLIER NUMBER: 14097035   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**ImageUP prints multiple images, QuickTime frames. (NIQ introduces new
  image-printing application) (Product Announcement)**
Guglielmo, Connie
MacWEEK, v7, n31, p40(1)
August 2, 1993
DOCUMENT TYPE: Product Announcement   ISSN: 0892-8118   LANGUAGE:
  ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 483   LINE COUNT: 00037

...   image and printer resolution, according to Greg Merriman, NIQ
founder.
     In addition to full-resolution **images** , users can also **print   low
– resolution** previews. New York-based Sports Illustrated has been **using**
ImageUP for about one month to **print   low – resolution** color proofs, ·

said Phil Jache, the magazine's deputy picture editor.
    "We do for-position...

 36/3,K/18   (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06669180   SUPPLIER NUMBER: 14028281   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Software upgrading: is it worth it every time? (News Analysis)
Bishop, Philip
MacWEEK, v7, n28, p30(2)
July 12, 1993
ISSN: 0892-8118   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1742   LINE COUNT: 00152

...   proofs, he said, or about four and a half hours of printing using
high-resolution **images** vs. about two hours, 15 minutes **using** **low –**
resolution **images** .
    Kuhn & Wittenborn's Astrachan also had a Quark request: a function
built into the program...

 36/3,K/19   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06432813   SUPPLIER NUMBER: 13689838   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Cooking up the right code. (in-line coding system for pre-printed cartons)
Canadian Packaging, v46, n2, p34(1)
Feb, 1993
ISSN: 0008-4654   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 900   LINE COUNT: 00070

...   inch. The printhead uses impulse jet technology, and it has no
mechanical valves, thus giving **high – resolution** **characters** and
excellent reliability, observes Mr. Ono.
    Using an oil-based and a non-pressurized ink system, the printhead
requires no external air...

 36/3,K/20   (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06152241   SUPPLIER NUMBER: 12679040   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Exotic networks unnecessary for high-end graphics use. (The Bon Marche
   department-store chain uses Ethernet local area network for graphics
   systems) (Case Study)
Lawton, George
MacWEEK, v6, n37, p29(1)
Oct 19, 1992
ISSN: 0892-8118   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 722   LINE COUNT: 00056

...   lay out full-resolution images, low-resolution look-alikes are used
in XPress. When someone **prints** an XPress page containing images and text,
the **print** job is spooled via uShare to one of the SPARCstations, which is

equipped with 2.6 Gbytes of storage space. The file as **printed** from XPress contains instructions defined by the multivendor Open Prepress Interface standard about where to...

36/3,K/21   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02134829   SUPPLIER NUMBER: 20158446   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Heidelberg develops line-based screening. (Company Business and Marketing)
Seybold Report on Publishing Systems, v27, n8, p19(1)
Dec 22, 1997
ISSN: 0736-7260   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 293   LINE COUNT: 00026

...   few years.
    The question is whether it really will turn out to be easier to **print** than stochastic screening, while offering the advantages of avoiding moir(Theta) and rosettes, and increasing **imaging** speed by **using** a relatively **low   resolution** .
    We presume that MegaDot technology has another advantage: the ability to operate with more than...

36/3,K/22   (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02112568   SUPPLIER NUMBER: 19907964   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Protect your image on the Web. (Maximized Software's Image Guardian
  software for preventing image theft) (includes related articles on tips
  and watermarks) (Product Support)(Tutorial)
Strom, David
Windows Sources, v4, n11, p221(2)
Nov, 1997
DOCUMENT TYPE: Tutorial   ISSN: 1065-9641   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1244   LINE COUNT: 00098

...   display work samples on the Web. This product, however, isn't 100% effective at preventing **image** theft; visitors can still get **low** – **resolution** versions of your **images** , **using** either a screen-capture utility or a system's built-in **Print** Screen feature.
    How It Works So you can understand how this software works, let's...

36/3,K/23   (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01632169   SUPPLIER NUMBER: 15012780   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Putting the face into interface. (IBM developing Human Centered Interface;
  will incorporate speech, handwriting, touch-screen and keyboard input)
  (Column)
Pedersen, Elinor
MIDRANGE Systems, v6, n24, p39(1)
Dec 28, 1993

DOCUMENT TYPE: Column   ISSN: 1041-8237   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1277   LINE COUNT: 00103

...   2-3 spreadsheet uses less memory than a drawing done directly on a
computer screen **using**   **character** -based facilities or an image requiring
high   **resolution** bit-mapping on the **printer** and display. And these use
less memory than a moving image, video and microscopic or...

 36/3,K/24   **(Item 4 from file: 275)**
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01508303   SUPPLIER NUMBER: 12013946   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Seybold Seminars and Imprinta '92, part 1: RIPs and recorders. (reviews of
  and key trends at the Feb 18-21, 1992, Seybold Seminars in Boston, MA,
  and the Feb 19-25, 1992, Imprinta prepress equipment exhibition in
  Dusseldorf, Germany; raster-image processors and recorders introduced or
  on display are described company-by-company; trapping and PostScript
  viewers are discussed)
Seybold Report on Publishing Systems, v21, n12, p10(27)
March 16, 1992
ISSN: 0736-7260   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 22176   LINE COUNT: 01712

...   When a page is output, the PS Link RIP receives a page or document
with **low** - **resolution** **images** from the Macintosh. **Using** the **low** -
resolution **images** on the Mac improves productivity by speeding **printing**
 of the PostScript file. The PS Link RIP then requests ImageLink to send
the high...

 36/3,K/25   **(Item 5 from file: 275)**
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01468051   SUPPLIER NUMBER: 11679702   (USE FORMAT 7 OR 9 FOR FULL TEXT)
CPC, Part II: Quark, Aldus heat up; other new products, future trends.
  (1991 Seybold Computer Publishing Conference and Exposition)
Seybold Report on Desktop Publishing, v6, n4, p16(12)
Dec 1, 1991
ISSN: 0889-9762   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 9461   LINE COUNT: 00761

...   of copies.
     * The ability to unlink files. Unlinking is useful as a work-around
for **printing** faster proof pages **using** the **low** - **resolution** (72-dpi)
screen versions of **images** , then relinking the image before going to the
imagesetter.
     Enhancements, a.k.a. bug fixes...

 36/3,K/26   **(Item 1 from file: 553)**
DIALOG(R)File 553:Wilson Bus.. Abs. FullText
(c) 2004 The HW Wilson Co. All rts. reserv.

04050064   H.W. WILSON RECORD NUMBER: BWBA99050064   (USE FORMAT 7 FOR

FULLTEXT)
Revolution now: digital photography.
Joss, Molly W
Graphic Arts Monthly v. 71 no6 (June 1999 supp Digital design & production)
p. 8-12+
LANGUAGE: English
WORD COUNT: 2527

   (USE FORMAT 7 FOR FULLTEXT)

TEXT:
. . .   we did the rough layout shots with a less expensive digital camera.
Then we downloaded **low - resolution** versions of the **images** to the
client **using** an ISDN line. The client made their comments and kept the
low-resolution files for...

...corrections when we did the high-end shoot and then shipped them
high-resolution proofs **printed** on an Epson 3000. From start to finish the
whole process only took a few...

 36/3,K/27   (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0585303 95-41305
Adobe Systems introduces Color Central 2.5 for the Macintosh/Power
   Macintosh
Burke, Barbara
Business Wire (San Francisco, CA, US) s1 p1
PUBL DATE: 950328
WORD COUNT: 932
DATELINE: Boston, MA, US

TEXT:

    ...like the original when viewed on the monitor. When the document is
ready to be **printed** to an output device such as an imagesetter, users
print directly to the server, therefore freeing their machines for other
work. Color Central then automatically replaces the **low   resolution**
working files with the high resolution **images   using** the Adobe-developed
OPI specification. The Color Central program routes the files to the
output...

 36/3,K/28   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

00547748   CMP ACCESSION NUMBER: WIN19930501S6106
Foolproof Image Scanning
William Harrel
WINDOWS MAGAZINE, 1993, n 405 , 138
PUBLICATION DATE: 930501
JOURNAL CODE: WIN   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: FEATURES
WORD COUNT: 3486

...   gray-scale setting , but the files are much smaller.
        Resolution is crucial to quality in printing halftones since the
different shades in the drawing depend on the dispersement of the dots...

...output, you should scan at a minimum of 300 dpi. If you're displaying
the **image** ; you won't have much luck at all **using**   **low – resolution**
halftone settings for your monitor because the dot patterns are too
coarse. You'll get...
?